

# COLLEGE OF SCIENCES AND HUMANITIES

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## College of Sciences and Humanities

104 Bowman Hall  
 Kent Campus  
 330-672-2062  
 asadvise@kent.edu  
 www.kent.edu/cas

## Departments and Schools

- Department of Africana Studies
- Department of Anthropology
- Department of Biological Sciences
- Department of Chemistry and Biochemistry
- Department of Computer Science
- Department of Earth Sciences
- Department of English
- Department of Geography
- Department of History
- Department of Mathematical Sciences
- Department of Modern and Classical Language Studies
- Department of Philosophy
- Department of Physics
- Department of Political Science
- Department of Psychological Sciences
- Department of Sociology and Criminology
- School of Biomedical Sciences
- School of Communication
- School of Information
- School of Multidisciplinary Social Sciences and Humanities
- School of Peace and Conflict Studies

## Undergraduate Programs

### Majors

- Actuarial Mathematics - B.S.
- American Sign Language - B.A.
- Anthropology - B.A.
- Anthropology - B.S.
- Applied Mathematics - B.S.
- Biochemistry - B.S.
- Biology - B.A.
- Biology - B.S.
- Biotechnology - B.S.
- Chemistry - B.S.
- Communication Studies - B.A.
- Computer Science - B.A.
- Computer Science - B.S.
- Criminology and Justice Studies - B.A.
- Cybercriminology - B.S.

- Economics - B.A.
- English - B.A.
- Environmental and Conservation Biology - B.S.
- Environmental Studies - B.A.
- Gender and Sexuality Studies - B.A.
- Geography - B.A.
- Geology - B.A.
- Geology - B.S.
- German - B.A.
- History - B.A.
- Integrative Studies - B.I.S.
- International Studies - B.A.
- Mathematics - B.S.
- Medical Laboratory Science - B.S.
- Neuroscience - B.S.
- Paralegal Studies - B.A.
- Peace and Conflict Studies - B.A.
- Political Science - B.A.
- Psychology - B.A.
- Psychology - B.S.

### Minors

- African Studies
- Africana Studies
- American Sign Language
- Ancient, Medieval and Renaissance Studies
- Applied Data and Information
- Applied Mathematics
- Applied Statistics
- Bioethics and Health Humanities
- Bioinformatics
- Biological Sciences
- Biology for Environmental Management and Conservation
- Business German
- Business Russian
- Business Spanish
- Chemistry
- Chinese
- Classics
- Climate Change
- Communication Studies
- Computer Science
- Computers and Geosciences
- Creative Writing
- Criminology and Justice Studies
- Cybersecurity Foundations
- Earth Science
- English
- Environment, Peace and Justice
- Environmental Geology
- Environmental Studies
- Forensic Anthropology
- French

- French for the Professions
- Game Programming
- Geographic Information Science
- Geography
- Geology
- German
- German Studies
- Greek
- History
- Human Disease
- Italian
- Italian Studies
- Japanese
- Jewish Studies
- Latin
- Latin American Studies
- Lesbian, Gay, Bisexual, Transgender and Queer Studies
- Mathematics
- Medical Anthropology
- Microbiology
- Negotiation, Mediation and Conflict Management
- Neuroscience
- Paleontology
- Paralegal Studies
- Park Management
- Philosophy
- Physics
- Political Science
- Pre-Law
- Professional and Technical Writing
- Psychology
- Religion Studies
- Russian
- Russian Studies
- Society, Health and Medicine
- Sociology
- Spanish
- Urban Studies
- Web Programming
- Women's Studies

## Graduate Programs

### Majors

- Anthropology - M.A.
- Applied Geology - Ph.D.
- Applied Mathematics - M.A.
- Applied Mathematics - M.S.
- Applied Mathematics - Ph.D.
- Artificial Intelligence - M.S.
- Biological Sciences - Cell Biology and Molecular Genetics - M.S.
- Biological Sciences - Cell Biology and Molecular Genetics - Ph.D.
- Biological Sciences - Ecology and Evolutionary Biology - M.S.
- Biological Sciences - Ecology and Evolutionary Biology - Ph.D.
- Biological Sciences - Integrative Physiology and Neurobiology - M.S.
- Biological Sciences - Integrative Physiology and Neurobiology - Ph.D.
- Biology - M.A.
- Biomedical Sciences - Cellular and Molecular Biology - M.S.
- Biomedical Sciences - Cellular and Molecular Biology - Ph.D.
- Biomedical Sciences - Human Evolutionary Biology - Ph.D.
- Biomedical Sciences - Neurosciences - M.S.
- Biomedical Sciences - Neurosciences - Ph.D.
- Biomedical Sciences - Pharmacology - M.S.
- Biomedical Sciences - Pharmacology - Ph.D.
- Biomedical Sciences - Physiology Interdisciplinary - M.S.
- Biomedical Sciences - Physiology Interdisciplinary - Ph.D.
- Chemistry - M.A.
- Chemistry - M.S.
- Chemistry - Ph.D.
- Clinical Psychology - Ph.D.
- Communication Studies - M.A.
- Computer Science - M.A.
- Computer Science - M.S.
- Computer Science - Ph.D.
- Creative Writing - M.F.A.
- Criminology and Criminal Justice - M.A.
- Data Science - M.S.
- English - M.A.
- English - Ph.D.
- French - M.A.
- Geographic Information Science - M.G.I.Sc.
- Geography - M.S.
- Geography - Ph.D.
- Geology - M.S.
- Health Informatics - M.S.
- History - M.A.
- History - Ph.D.
- Knowledge Management - M.S.
- Latin - M.A.
- Liberal Studies - L.S.M.
- Library and Information Science - M.L.I.S.
- Materials Science - M.S.
- Materials Science - Ph.D.
- Mathematics for Secondary School Teachers - M.A.
- Peace and Conflict Studies - M.A.
- Philosophy - M.A.
- Physics - M.A.
- Physics - M.S.
- Physics - Ph.D.
- Political Science - M.A.
- Political Science - Ph.D.
- Psychological Science - M.A.
- Psychological Science - Ph.D.
- Public Administration - M.P.A.
- Pure Mathematics - M.A.

- Pure Mathematics - M.S.
- Pure Mathematics - Ph.D.
- School Library Media K-12 - M.L.I.S.
- Sociology - M.A.
- Sociology - Ph.D.
- Spanish - M.A.
- Teaching English as a Second Language - M.A.
- Translation - M.A.
- Translation Studies - Ph.D.
- User Experience - M.S.

## Minors

- Arabic Translation
- Classics
- French Translation
- German Translation
- Japanese Translation
- Race, Gender and Social Justice
- Russian Translation
- Spanish Translation

## Certificates

### Undergraduate Certificates

- Global Issues
- Paralegal Studies
- Pre-Health
- Teaching English as a Foreign Language

### Graduate Certificates

- Communication and Advocacy
- Health Informatics
- Knowledge Management
- Medical Librarianship

## Non-Degree Programs

### Undergraduate

- Columbus Program in State Issues
- Teaching English as a Second Language Endorsement Preparation - undergraduate
- Washington Program in National Issues

### Graduate

- School Library Media Licensure

## College Policies

### Foreign Language Requirements

In general, students may elect any foreign language taught through the Department of Modern and Classical Language Studies. However, certain majors, concentrations and minors require specific languages or limit the languages from which students may choose. In addition, students who plan to pursue graduate study may need particular languages for that study. In such cases, students should seek the advice of the appropriate department before selecting a language.

## Progress Toward Fulfillment

College of Sciences and Humanities students are encouraged to begin meeting the foreign language requirement as early as possible in their program to ensure timely degree completion.

### Foreign Language College Requirement, B.A.

Students pursuing the Bachelor of Arts degree in the College of Sciences and Humanities must complete the following:

1. Elementary I and II of any language (or equivalent) **and**
2. One of the following options:
  - a. Intermediate I and II of the same language
  - b. Elementary I and II of a second language
  - c. Any combination of two courses from the following list:
    - i. Intermediate I of the same language
    - ii. One to two college-level course(s) completed outside the United States
    - iii. Courses: ARAB 21401, ASL 19401, CHIN 25421, MCLS 10001, MCLS 20001, MCLS 20091, MCLS 21417, MCLS 21420, MCLS 22217, MCLS 28403, MCLS 28404

All students with prior foreign language experience should take the foreign language placement test to determine the appropriate level at which to start. Some students may start beyond the Elementary I level and will complete the requirement with fewer courses. This may be accomplished in one of three ways:

1. Passing a course beyond Elementary I through Intermediate II level
2. Receiving credit through one of the alternative credit programs offered by Kent State University
3. Demonstrating language proficiency comparable to Elementary II of a foreign language

Certain programs may require specific languages, limit the languages from which a student may choose or require coursework through Intermediate II. Students who plan to pursue graduate study may need a particular language proficiency.

### Foreign Language College Requirement, B.S.

- Students pursuing the Bachelor of Science degree in the College of Sciences and Humanities must complete 8 credit hours of foreign language.<sup>1</sup>
- [The following programs are exempt from this requirement: The Bachelor of Science in Cybercriminology and the Bachelor of Science in Medical Laboratory Science.](#)<sup>2</sup>
- Minimum Elementary I and II of the same language

<sup>1</sup> All students with prior foreign language experience should take the foreign language placement test to determine the appropriate level at which to start. Some students may start beyond the Elementary I level and will complete the requirement with fewer credit hours and courses. This may be accomplished by (1) passing a course beyond Elementary I through Intermediate II level; (2) receiving credit through one of the alternative credit programs offered by Kent State University; or (3) demonstrating language proficiency comparable to Elementary II of a foreign language. When students complete the requirement with fewer than 8 credit hours and two courses, they will complete remaining credit hours with general electives.

<sup>2</sup> The Bachelor of Science in Medical Laboratory Science exemption exists under another college policy (Three-Plus-One Programs). The Bachelor of Science in Cybercriminology exemption is due to its

extensive collaboration with and contribution from the Information Technology program in the College of Applied and Technical Studies, which does not have a foreign language requirement.

## Mandatory Outcomes Assessment

In addition to the other General Requirements of the college, candidates for an undergraduate degree in the College of Sciences and Humanities are required, as a condition of graduation, to participate in an outcomes assessment. These outcomes assessments are conducted by each undergraduate degree program in the College of Sciences and Humanities.

## Three-Plus-One Programs

Students who choose to pursue Three-Plus-One programs take three years of preprofessional study at Kent State University, followed by a year or more of intensive professional training at an accredited professional school or clinical facility. Upon the satisfactory completion of this professional training, the B.S. degree from the College of Sciences and Humanities at Kent State University is awarded. Students must earn 97 credit hours in a university. Appropriate transfer credit from other institutions may be included in these 97 credit hours, but the students must complete at least 42 credit hours in-residence at Kent State University, including the last 32 credit hours of the 97 credit hours requirement.

Students must have a minimum 2.000 GPA in all work taken at Kent State University. They must also complete with at least a 2.000 average all off-campus work taken to fulfill fourth-year requirements. In some fields, students may also be required to present other evidence of the satisfactory completion of the off-campus professional training.

Students must satisfy all degree requirements, including the B.S. General Requirements and field of concentration requirements, by a combination of credits earned at Kent State University and the professional school. The only exception is that the college's foreign language requirement is waived for students who successfully complete a Three-Plus-One program.

Three-Plus-One programs are designed for students with a well-defined, specific, professional career goal. Currently, the College of Sciences and Humanities offers a Three-Plus-One program in Medical Laboratory Science. Because of the intensive, professional focus of these programs, students pursuing them should work closely with their faculty advisors. Students who are interested in this program should consult the Department of Biological Sciences, 256 Cunningham Hall, for further information.

Please see the program requirements for the Medical Laboratory Science program offered under the College of Sciences and Humanities.

## College of Sciences and Humanities Faculty

### Communication Studies (COMM)

**COMM 15000 INTRODUCTION TO HUMAN COMMUNICATION (KADL) 3 Credit Hours**

This course offers an overview of communication in interpersonal, group and public contexts. Students will develop a wide range of practical communication skills like listening, giving and receiving constructive feedback, presenting information, persuading audiences and more that will help them succeed in both personal and professional settings. These skills will help prepare students to engage confidently in interpersonal interactions, group discussions and public speaking.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Kent Core Additional, TAG Communication, Transfer Module Composition

**COMM 20000 FOUNDATIONS OF COMMUNICATION 3 Credit Hours**

This course serves as an introduction to the major. Provides an introduction to communication studies faculty, research and the major concentrations of the school; highlights possible careers in communication studies; and introduces possible ways students can supplement curriculum efforts through involvement.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 20001 INTERPERSONAL COMMUNICATION 3 Credit Hours**

Introduction to human interpersonal communication. Components and structures situations and contexts are described nonevaluative focus with emphasis on informal experience.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** TAG Communication

**COMM 26000 CRITICISM OF PUBLIC DISCOURSE (KHUM) 3 Credit Hours**

A critical examination of selected public speeches representing diverse viewpoints on a variety of historic and contemporary issues, emphasizing methods of evaluating public oral communication and the role of speechmaking in free societies.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Kent Core Humanities, Transfer Module Humanities

**COMM 30000 COMMUNICATION RESEARCH METHODS 3 Credit Hours**

Communication research skills are marketable for career advancement. This course provides basic skills in communication research in order to evaluate and have conversations about research findings with others. The class gives students the tools to know what questions to ask when an individual, social media post, or organization uses research to back up thinking, make an argument, or come to a decision. Students will learn how to conduct interviews, focus groups, surveys and other research tools and interpret that information to be competitive in industries such as, media companies, nonprofit and public relations.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 34000 DIFFICULT DECISIONS IN COMMUNICATION (WIC) 3 Credit Hours**

Right and wrong. Good and bad. Moral and immoral. These phrases are commonly used to describe the decisions people must make daily. Communication professionals must wrestle with ethical issues like privacy, transparency, representation, advocacy, power, truthfulness. In this course, students will explore the complex circumstances surrounding the rights and responsibilities of the current communication landscape to prepare them for life after graduation.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Writing Intensive Course

**COMM 35464 ARGUMENTATION AND PERSUASIVE COMMUNICATION 3 Credit Hours**

Students will be introduced to principles and practices of effective argumentation and persuasive communication. Through exposure to rhetorical and social scientific theories, students will engage in research to develop argumentative cases and assess persuasive messaging strategies in mediated contexts. The course emphasizes processes of reasoning, the nature and use of evidence, recognition of common fallacies, media and information literacy, and generation and construction of valid and ethical arguments. Assignments will allow students to practice argumentation and persuasive communication as well as develop critical thinking skills needed to evaluate arguments and persuasive messages.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 35600 COMMUNICATION IN SMALL GROUPS AND TEAMS 3 Credit Hours**

Focuses on the application and practice of group communication skills and techniques applied to goal-oriented small group situations. Course explores communication theory and research about small groups and teams, relating in group and teams, managing conflict in groups and teams, leadership in groups and teams and problem-solving in groups and teams.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** TAG Communication

**COMM 35852 INTERCULTURAL COMMUNICATION 3 Credit Hours**

Theory and application of communication between people of different cultures and different national systems.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 35860 INTERVIEWING 3 Credit Hours**

Techniques, principles and practical skills for interviews most likely to occur in business environments; job searches and selection interviews, information-gathering interviews, performance appraisals, counseling interviews and persuasive interviews.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 35863 BUSINESS AND PROFESSIONAL COMMUNICATION 3 Credit Hours**

This course covers public and conference speaking, conducting meetings, electronic presentations, interviewing and interpersonal relations as applied to business and organizational settings.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 35864 ORGANIZATIONAL COMMUNICATION 3 Credit Hours**

Application of communication theory to organizational settings. Exploration of communication structures processes and methods in organizations.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 35902 COMMUNICATION THEORY 3 Credit Hours**

Study of the process of human communication. Emphasis on source, message, channel and receiver dimensions of communication. Examination of major theories of communication and social influence.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 35912 GENDER AND COMMUNICATION 3 Credit Hours**

Explores how gender is socially constructed in everyday communicative interactions and institutional contexts, including close relationships, organizations, school settings and the media. In the process, this course uncovers how the social construction of gender perpetuates power imbalances in society.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 36001 PUBLIC COMMUNICATION IN SOCIETY 3 Credit Hours**

Examines communication in public settings. Content includes communication campaigns, corporate crisis communication, public opinion and communication issues in executive, legislative and judicial settings. Students explore the influence of mediated messages via application of mass communication theories and constructs.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 36500 HEALTH COMMUNICATION 3 Credit Hours**

Introduction to the roles of communication in health, health and risk behavior, health care, and health promotion, including interpersonal, organizational and media contexts.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 37091 SEMINAR IN COMMUNICATION AND POPULAR CULTURE 3 Credit Hours**

(Repeatable twice for credit) Popular culture is driven by communication. The messages contained in that communication can be both prescriptive and descriptive and can reveal much about people's culture, attitudes, fears, values and perceptions of reality. Course will focus on messages contained in various popular culture artifacts including, but not limited to film, television, internet, music and literature.

**Prerequisite:** None.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**COMM 40095 SPECIAL TOPICS IN COMMUNICATION STUDIES 1-6 Credit Hours**

(Repeatable for credit) (Slashed with COMM 50095 and COMM 70095)

Special topic courses cover emerging issues or specialized content in Communication Studies that is not represented in the existing curriculum. Not offered every semester.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1-6 lecture

**Grade Mode:** Standard Letter

**COMM 41000 SPORTS COMMUNICATION 3 Credit Hours**

An examination of the inter-relationship between sports and communication in today's society. Students discuss and examine sports through communication lenses (groups, interpersonal, media/mediated and organizational).

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 42000 MEDIA, WAR AND PROPAGANDA 3 Credit Hours**

Examines the influence of TV, movies, and media images of war, the war effort and portrayals of enemies, protesters and anti-war groups on communication research, including mass communication and persuasion.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 43000 COMMUNICATION TECHNOLOGY AND HUMAN INTERACTION 3 Credit Hours**

Course aims to help students develop a critical understanding of diverse newer media and how they are used and affect human interaction. In achieving this goal, students are expected to learn how newer media are different from and similar to face-to-face communication or traditional mass media, newer media's social and psychological effects on human interactions, and theoretical frameworks explaining these media.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 44500 TRAVEL AND TRANSMEDIA STORYTELLING 3 Credit Hours**

Examine travel as a communicative experience. Students are introduced to the basic principles of travel storytelling by leveraging visual, audio and writing tools to produce blog entries, podcasts, essays, social media posts, videos, travelogues and other types of content. The course infuses production of multimedia storytelling with robust theoretical and conceptual discussions that underpin ethical traveling, mindful intercultural encounters and in-depth cultural understanding. Students will learn about competencies they need to critically reflect on their behaviors as travelers and as travel storytellers. In addition to acquiring skills to proficiently critique travel media artifacts ranging from adventure reality television to tourism guides, students will engage in experiential learning through applied workshops, field visits, project-based teamwork, and other hands-on activities. Throughout the semester, students will: (1) critically analyze traditional and new media travel storytelling media artifacts; and (2) develop travel storytelling skills with the aim of creating content for traditional and social media.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 44550 FOOD, MEDIA AND FOODWAYS 3 Credit Hours**

There is an increased awareness of food's significance within contemporary society and culture. The aim of this course is to try to give answers to the questions of what food communication is and how we understand food and foodways through a cultural lens. Overall, the course addresses the relationship between food, mediated communication and culture and probes how these relationships affect how we negotiate with our identities, cultures and environments.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45006 MEDIA USE AND EFFECTS 3 Credit Hours**

The course examines the ways in which communication scholars have conceptualized and analyzed media processes, uses and effects. We explore such issues as media portrayals, news coverage, political campaigns, sex and violence in the media, media entertainment, children and television, and newer communication technologies.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45007 FREEDOM OF SPEECH 3 Credit Hours**

(Slashed with COMM 55007) What kind of speech is protected by the First Amendment? What can the government censor? How have issues like libel, slander, sedition, blasphemy, obscenity and words that provoke people to anger affect how we communicate in today's society? It seems simple at first, "Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the government for a redress of grievances." Yet, ever since its adoption, these 45 words have been a point of contention for citizens, the Supreme Court and the government. This course will help students grasp why the First Amendment is an important part of American life, what it protects and why it matters personally and professionally.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45091 SEMINAR IN COMMUNICATION STUDIES 3 Credit Hours**

(Repeatable for credit) Examination of selected communication topics/ areas and related research.

**Prerequisite:** None.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**COMM 45092 INTERNSHIP IN COMMUNICATION STUDIES (ELR) 3-6 Credit Hours**

(Repeatable for credit) A formal, cooperative field experience with a designated organization or agency as designed by the student and the internship coordinator.

**Prerequisite:** 9 credit hours of COMM coursework; and junior standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 9-18 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**Attributes:** Experiential Learning Requirement

**COMM 45196 INDEPENDENT STUDY: COMMUNICATION STUDIES 1-6 Credit Hours**

(Repeatable for a maximum of 6 credit hours) Readings and/or research on problems approved by undergraduate coordinator in consultation with student's adviser and faculty project director.

**Prerequisite:** Special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**COMM 45459 COMMUNICATION AND CONFLICT MANAGEMENT 3 Credit Hours**

(Slashed with COMM 55459) Conflict is inevitable in relationships, but it doesn't have to destroy them. This course highlights how effective conflict management leads to happier and more fulfilling relationships. It also provides students with essential communication skills for resolving conflicts in personal and professional environments.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45660 POLITICAL COMMUNICATION 3 Credit Hours**

Modern society requires us to communicate with others to craft laws and policies, address competing needs and select our representatives. This course will provide an overview of this political communication process. Course content includes the importance of communication in democracies, the role of media in politics, ways to analyze political messages and studies of contemporary campaigns.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45678 SOCIAL MEDIA AND GLOBALIZATION 3 Credit Hours**

The course introduces students to social media and how they operate in a globalized context. Through the relevant literature, students will be able to use key theoretical tools to understand and critically analyze implications of globalization and social media on issues related to communication, social inequalities, citizenship, and youth cultures. The students will navigate the relationship between globalization and social media processes through practical examples including media texts, audiovisual material, social media content, etc. In class, the students will be expected to fully engage in discussions and group activities designed to emphasize their individual, professional, and academic growth.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45756 INTERNATIONAL COMMUNICATION 3 Credit Hours**

International communication examines global communication approaches as they relate to issues of justice, equity and peaceful coexistence. The course critically examines the role of communication in shaping international politics, public diplomacy, social movements and across border cultural practices. Specifically, it engages with global communication and information inequalities and how this divide is intertwined with economic, environmental and material disparities that hinder the development aspirations of communities in non-Western contexts. Driven by the proposition that the sustainability of our planet and its inhabitants rests upon global collaboration—not competition—the course puts communication as a cornerstone of global understanding. By closely studying actors such as nation states, corporations, hackers, and activists, students will be equipped with theoretical and practical literacies of international communication that empower them to respond to our shared problems ranging from the climate crisis to pandemics, and, in doing so, advocate for a just, equitable and sustainable global society.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45760 MEDIA AND NATIONALISM 3 Credit Hours**

The goal of this course is to introduce and discuss the images, signs, symbols, commodities, cultural commercial products and personal and collective identities that emerge and circulate through mundane engagement with commodities and global media forms. Students will analyze connections and tensions between the forces of nationalism and the forces of globalization and explore some of the scholarly literature about the role of the media and consumer culture in those tensions.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45766 COMMUNICATION IN A GLOBAL SOCIETY 3 Credit Hours**

Offers a broad-based treatment of a variety of topics in our "globalizing" world from the standpoint of communication. Considers the importance of communication on multiple levels of the international landscape, ranging from the very ways globalization is defined and framed to new communication media and networks, to campaigns and debates about global issues, and including the transformation of organizational and institutional relationships as well as local-to-global interactions.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45776 COMMUNICATION AND TERRORISM 3 Credit Hours**

This course examines many facets of terrorism, including its historic roots and its social, political, ethnic, geographic, moral and spiritual causes. Students will be challenged to understand basic definitions of terrorism and think beyond conventional assumptions about terrorist organizations, especially assumptions derived from mass media, popular culture and Western biases. We will examine two central premises: first, that communication – spoken/written, traditional/nontraditional, public/private, visual/symbolic – is both a tool and the goal of organized terrorism; and second, that terrorist organizations use brand-positioning strategies we often associate with commercial entities. Students will be required to think deeply, critically and objectively about the narratives, messages, images and symbolism used by past and present-day terrorist movements.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45807 HIGH IMPACT PROFESSIONAL SPEAKING 3 Credit Hours**

Principles and practices of effective communication in a variety of professional contexts. Emphasis on professional presentation skills development.

**Prerequisite:** COMM 15000.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45865 ORGANIZATIONAL COMMUNICATION TRAINING AND DEVELOPMENT (ELR) 3 Credit Hours**

This course prepares students for careers as professional development specialists, communication consultants and corporate coaches. They acquire practical skills to design and deliver communication training programs using a needs centered approach. Theory and application underpin a comprehensive training approach, incorporating contemporary best practices and real-world applications for effective modern training.

**Prerequisite:** COMM 35864.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement

**COMM 45880 ORGANIZATIONAL ADVOCACY 3 Credit Hours**

Organizations are constantly changing, adapting and creating new ways of interacting with each other, the public and their employees. Traditional approaches to organizational change are also advancing as organizations communicate externally and internally to various stakeholders. Advocacy experts are growing in demand across multiple types of organizations. In this course, students will learn a stakeholder model of strategic communication to develop and design an approach to meaningful organizational change.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45902 COMMUNICATION AND INFLUENCE (WIC) 3 Credit Hours**

Explores theories and strategies of social influence in contemporary society. Students discuss and critique influential communication practices such as interpersonal persuasion, product and services advertisements, social movements and political messages.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Writing Intensive Course

**COMM 45903 COMMUNICATION CAMPAIGNS (ELR) 3 Credit Hours**

The primary purpose of this course is to enable students to understand the fundamentals of how persuasive communication campaigns are developed, implemented and evaluated.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement

**COMM 45957 LANGUAGE IN THE 21ST CENTURY 3 Credit Hours**

An overview of how languages affect the way we communicate with each other. In this course, students will learn about verbal and nonverbal communication, language evolution, cultural differences in language, language and social change, languages in traditional and social media and language in the workplace.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 45959 NONVERBAL COMMUNICATION 3 Credit Hours**

Students will explore how we create meaning through nonverbal behaviors including physical appearance, eye behavior, facial expressions, gesture, posture and voice. In addition, readings and class discussions investigate nonverbal communication in online platforms, impression management, flirting behaviors and how to detect deception. The importance of culture in interpreting nonverbal codes will be emphasized, along with understanding how nonverbal and verbal codes interact in different communication contexts.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 46091 SENIOR SEMINAR (ELR) 3 Credit Hours**

(Repeatable for credit) Senior Seminar is an advanced level course that features current topics in communication and is driven by problem-analysis and a search for solutions. In-depth exploration and analysis of a communication issue is an opportunity for students to synthesize coursework and communication experiences into transferable skills and applications. A summative experience, this course may result in a research project or paper, portfolio, multimedia presentation, community-based initiative, and or a public presentation. Topics vary based on faculty expertise and research interests. The Senior Seminar course is applied and experiential.

**Prerequisite:** Senior standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement

**COMM 46507 COMMUNICATION FOR HEALTH AND WELL-BEING 3 Credit Hours**

From bullying to social support, whether face-to-face or on Instagram, interpersonal communication affects wellness. This course is designed to help students demonstrate the many ways that our interpersonal and mediated interactions with friends, family and acquaintances can affect our health and well-being. Students will also learn about communication tools that can help reduce health risks and bolster their health and the health of others.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 46601 COMMUNICATION IN RELATIONSHIPS 3 Credit Hours**

Synthesizes theory and research about communication in the development, maintenance and dissolution of the relationships of romantic partners, personal friends, professional colleagues, spouses and family members. Sub-topics include personal identity, culture, social attraction, self-disclosure, relationship stages, affection, love, sex, social support, conflict, power dynamics, hurt, jealousy and infidelity.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 46605 COMMUNICATION ACROSS THE LIFESPAN 3 Credit Hours**

Explores common life stages (childhood, youth, midlife and old age) and the transitioning of communication within and between these different stages of development. Sub-topics include life span communication and: family, friendships, social and gender role development, multigenerational workplace and the use of varied communication technologies facilitating human interaction across the life span.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 46608 FAMILY COMMUNICATION 3 Credit Hours**

Examines the interactions among individuals in families. Sub-topics of the course include family communication and storytelling, identity, rules, conflict, intimacy, stress, external influences on family communication, and family communication and the media.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 50095 SPECIAL TOPICS IN COMMUNICATION STUDIES 1-6 Credit Hours**

(Repeatable for credit) (Slashed with COMM 40095 and COMM 70095)

Special topic courses cover emerging issues or specialized content in Communication Studies that is not represented in the existing curriculum. Not offered every semester.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-6 lecture

**Grade Mode:** Standard Letter

**COMM 55007 FREEDOM OF SPEECH 3 Credit Hours**

(Slashed with COMM 45007) What kind of speech is protected by the First Amendment? What can the government censor? How have issues like libel, slander, sedition, blasphemy, obscenity and words that provoke people to anger affect how we communicate in today's society? It seems simple at first, "Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the government for a redress of grievances." Yet, ever since its adoption, these 45 words have been a point of contention for citizens, the Supreme Court and the government. This course will help students grasp why the First Amendment is an important part of American life, what it protects and why it matters personally and professionally.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 55093 VARIABLE TITLE WORKSHOP IN COMMUNICATION STUDIES 1-6 Credit Hours**

(Repeatable for credit) Variable topic workshop in communication studies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Workshop

**Contact Hours:** 1-6 other

**Grade Mode:** Satisfactory/Unsatisfactory

**COMM 55459 COMMUNICATION AND CONFLICT MANAGEMENT 3 Credit Hours**

(Slashed with COMM 45459) Conflict is inevitable in relationships, but it doesn't have to destroy them. This course highlights how effective conflict management leads to happier and more fulfilling relationships. It also provides students with essential communication skills for resolving conflicts in personal and professional environments.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 55766 COMMUNICATION IN A GLOBAL SOCIETY 3 Credit Hours**

(Slashed with COMM 45766) Offers a broad-based treatment of a variety of topics in our "globalizing" world from the standpoint of communication. Considers the importance of communication on multiple levels of the international landscape, ranging from the very ways globalization is defined and framed to new communication media and networks, to campaigns and debates about global issues, and including the transformation of organizational and institutional relationships as well as local-to-global interactions.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 60199 THESIS I 2-6 Credit Hours**

Thesis student must register for a total of 6 hours, 2 to 6 hours in a single semester or distributed over several semesters if desired.

**Prerequisite:** Graduate standing.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2-6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**COMM 60299 THESIS II 2 Credit Hours**

Thesis students must continue registration each semester until all degree requirements are met.

**Prerequisite:** COMM 60199; and graduate standing.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**COMM 61198 MASTERS PROJECT IN COMMUNICATION STUDIES 3 Credit Hours**

One of the non-thesis options for graduation. Students propose a theory-driven applied research project on a communicative phenomenon or issue. The final written paper is evaluated by the students' academic advisor and the Graduate Coordinator to deem satisfactory for graduation.

**Prerequisite:** COMM 65000 and COMM 65020 and COMM 65652.

**Schedule Type:** Research

**Contact Hours:** 3 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**COMM 64092 MASTERS INTERNSHIP IN COMMUNICATION STUDIES 3 Credit Hours**

(Repeatable for credit) One of the non-thesis options for graduation. Students choose and secure an internship position with a designated organization or agency that requires the student to utilize communication skills and knowledge. Students complete 135 hours of internship. The employer, the academic advisor, and the Graduate Coordinator evaluate the student's overall performance. The advisor and the Graduate Coordinator determine whether the student complete the requirements.

**Prerequisite:** COMM 65000 and COMM 65020 and COMM 65652; and graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**COMM 65000 FOUNDATIONS OF COMMUNICATION AND ADVOCACY 3 Credit Hours**

(Slashed with COMM 85000) This course will introduce students to the foundation of scientific inquiry and its application to effective advocacy generally and communication studies specifically. Research in the field of communication has been central to the study and practice of advocacy. Students will learn about the history of the field and representative communication perspectives and paradigms that have been central to the study and practice of advocacy in different contexts. In this course, students will explore how communication has played a role in advocacy and social change. Students will understand the root and the development of the field and thinking related to advocacy and will evaluate, critique and synthesize communication literature.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65020 QUANTITATIVE RESEARCH METHODS IN COMMUNICATION 3 Credit Hours**

(Slashed with COMM 75020) An examination of basic quantitative social scientific research methods and procedures for the study of communication.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65040 QUALITATIVE RESEARCH METHODS IN COMMUNICATION 3 Credit Hours**

Exploration of qualitative methods in human communication research. Focus on the nature of qualitative data participant observation, and archival strategies of data collection and interpretive and interactionist approaches to data analysis.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65070 SOCIAL INFLUENCE 3 Credit Hours**

(Slashed with COMM 85070) This course explores theories, ethics, and strategies of social influence in contemporary society. Students discuss and critique influential communication practices such as advocacy, interpersonal persuasion, product and services advertisements, social movements and political messages.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**COMM 65093 VARIABLE TITLE WORKSHOP IN COMMUNICATION 1-6 Credit Hours**

(Repeatable for credit) Variable topic workshop in communication studies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Workshop

**Contact Hours:** 1-6 other

**Grade Mode:** Satisfactory/Unsatisfactory

**COMM 65096 INDIVIDUAL INVESTIGATION 1-6 Credit Hours**

(Repeatable for a maximum of 6 credit hours) (Slashed with COMM 75096) Independent study of area or problem to be selected in consultation with graduate staff.

**Prerequisite:** Graduate standing.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**COMM 65098 RESEARCH 1-15 Credit Hours**

(Repeatable for credit) Research or individual investigation for master's level graduate students. Credits may be applied toward meeting degree requirements if school approves.

**Prerequisite:** Graduate standing.

**Schedule Type:** Research

**Contact Hours:** 1-15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**COMM 65591 SEMINAR IN COMMUNICATION STUDIES 3 Credit Hours**

(Repeatable for credit) (Slashed with COMM 75591) Seminar course in various research areas centered in communication studies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**COMM 65652 THEORIES OF COMMUNICATION 3 Credit Hours**

(Slashed with COMM 75652) Introduction to approaches in the study of human communication. Focuses on differing views of interaction from theory building and research-generation perspective.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65660 POLITICAL COMMUNICATION 3 Credit Hours**

(Slashed with COMM 75660) An examination of political communication theory and research. Content includes approaches to political communication, role of the media in politics and analysis of political messages.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65661 COMMUNICATION IN AN INFORMATION SOCIETY 3 Credit Hours**

(Slashed with COMM 75661) Examines how the development and use of newer communication technologies have influenced human communication. Considers the evolution, social and psychological impact, and culture of newer communication technologies such as the Internet, and how research adapts to these newer media.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65662 MEDIA EFFECTS 3 Credit Hours**

(Slashed with COMM 85662) This course examines the uses and effects of mediated communication, media processes, how information flows through societies, and audience reactions to media messages. Attention is paid to diverse channels, audiences and representations in media across a range of contexts.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65665 PERSONAL AND MEDIATED COMMUNICATION 3 Credit Hours**

(Slashed with COMM 75665) Examination of the interface of interpersonal and mediated communication in everyday life. Includes topics such as parasocial interaction, talk radio, TV co-viewing, cell phones, teleconferencing, computer-mediated relationships and media portrayals.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65670 INTERPERSONAL COMMUNICATION 3 Credit Hours**

(Slashed with COMM 75670) Survey of recent theoretical developments and research in interpersonal communication. Topics include relationship development, interaction, interpersonal traits, compliance, conversational analysis and research methods.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65675 COMMUNICATION, UNCERTAINTY AND PRIVACY MANAGEMENT 3 Credit Hours**

(Slashed with COMM 85675) Communication, uncertainty, and the management of private information examines theory and research about disclosure and uncertainty issues in communication in a variety of contexts. Course content examines disclosure and uncertainty management applications in relational contexts, health contexts, organizational contexts, and contexts involving human interaction occurring through technology.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65677 RELATIONAL COMMUNICATION 3 Credit Hours**

(Slashed with COMM 85677) Relational communication provides an exploration of theory and research about the interactions among individuals in personal relationships. Subtopics of the course include communication and the development, maintenance, and dissolution of personal relationships, relationships across the life span, individual differences in relationships and relational processes, qualities and outcomes.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65683 INTERGROUP COMMUNICATION 3 Credit Hours**

(Slashed with COMM 85683) Overview of theory and research of communication between groups of individuals, including issues of discrimination, language, identity, social status, religion and demographics.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65686 INTERCULTURAL AND INTERGROUP COMMUNICATION 3 Credit Hours**

This course will introduce students to intercultural and intergroup communication and factors contributing to successful communication among different cultures and social groups. In this course, we will discuss issues pertaining to identities and their relationships with advocacy intervention strategies. After completing this course, students will be able to analyze interactions among various groups from cultural and socio-psychological perspectives. They will learn to describe and discuss current issues of intercultural and intergroup communication by taking a critical and analytical approach. Furthermore, they will propose advocacy interventions based on their assessment of communication needs to improve relationships between members of cultures and/or social groups.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65736 GLOBAL COMMUNICATION AND PUBLIC DIPLOMACY 3 Credit Hours**

(Slashed with COMM 85736) Provides students with an in-depth understanding of public diplomacy as an instrument of foreign policy by considering both Western and non-Western paradigms, case studies and policies. By placing communication as a central organizational framework, it critically explores the theory and practice of public diplomacy from historical and contemporary perspectives. It examines how governments, businesses and non-governmental organizations engage with foreign publics with the aim of exerting influence and seeking favorable political, cultural and economic conditions. Drawing from existing and emerging trends, it emphasizes the centrality of communication in the different avenues of public diplomacy including international broadcasting, media technology, educational and cultural exchange and global sporting events. By framing public diplomacy as a double-edged communication phenomenon that can be deployed as a means of global understanding/advocacy as well as a tool for conflict/domination, the course prepares students to be critical participants and targets of the global mechanics of public influence.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**COMM 65794 TEACHING OF COLLEGE COMMUNICATION 3 Credit Hours**

(Repeatable for credit) (Slashed with COMM 75794) Training and experience in college teaching. Maximum of three hours applicable toward master's degree requirements.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65851 ORGANIZATIONAL COMMUNICATION 3 Credit Hours**

(Slashed with COMM 85851) Structure, methodology and application of communication theory in industrial and organizational settings.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 65891 SEMINAR IN ORGANIZATIONAL COMMUNICATION 3,4 Credit Hours**

(Repeatable for credit) Theories and problems of human communication within, between and/or among formal organizations.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Seminar

**Contact Hours:** 3-4 other

**Grade Mode:** Standard Letter

**COMM 66501 HEALTH COMMUNICATION 3 Credit Hours**

(Slashed with COMM 86501) This course provides an overview of the ways health communication can empower individuals and communities to improve their health and well-being. Students will learn about theoretical and practical tools for communicating about and enhancing health in personal, community and healthcare contexts. In addition, the course explores how effective partnerships between researchers and community groups can be utilized in community-based participatory research.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 70095 SPECIAL TOPICS IN COMMUNICATION STUDIES 1-6 Credit Hours**

(Repeatable for credit) (Slashed with COMM 40095 and COMM 50095) Special topic courses cover emerging issues or specialized content in Communication Studies that is not represented in the existing curriculum. Not offered every semester.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-6 lecture

**Grade Mode:** Standard Letter

**COMM 75020 QUANTITATIVE RESEARCH METHODS IN COMMUNICATION 3 Credit Hours**

(Slashed with COMM 65020) An examination of basic quantitative social scientific research methods and procedures for the study of communication.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 75040 QUALITATIVE RESEARCH METHODS IN COMMUNICATION 3 Credit Hours**

(Slashed with COMM 65040) Exploration of qualitative methods in human communication research. Focus on the nature of qualitative data, participant observation and archival strategies of data collection and interpretive and interactionist approaches to data analysis.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 75093 VARIABLE TITLE WORKSHOP IN COMMUNICATION STUDIES 1-6 Credit Hours**

(Repeatable for credit) Variable title workshop in communications.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Workshop

**Contact Hours:** 1-6 other

**Grade Mode:** Satisfactory/Unsatisfactory

**COMM 75096 INDIVIDUAL INVESTIGATION 1-6 Credit Hours**

(Repeatable for credit) (Slashed with COMM 65096) Independent study of area or problem to be selected in consultation with graduate staff.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**COMM 75591 SEMINAR IN COMMUNICATION STUDIES 3 Credit Hours**

(Repeatable for credit) (Slashed with COMM 65591) Seminar course in various research areas centered in communication studies.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**COMM 75652 THEORIES OF COMMUNICATION 3 Credit Hours**

(Slashed with COMM 65652) Introduction to approaches in the study of human communication. Focuses on differing views of interaction from theory building and research generation perspective.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 75660 POLITICAL COMMUNICATION 3 Credit Hours**

(Slashed with COMM 65660 and COMM 75660) An examination of political communication theory and research. Content includes approaches to political communication, role of the media in politics and analysis of political messages.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 75661 COMMUNICATION IN AN INFORMATION SOCIETY 3 Credit Hours**

(Slashed with COMM 65661) Examines how the development and use of newer communication technologies have influenced how people communicate. Considers the evolution, social and psychological impact and culture of newer communication technologies (especially the Internet) and how research adapts to such technologies.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 75665 PERSONAL AND MEDIATED COMMUNICATION 3 Credit Hours**

(Slashed with COMM 65665) Examination of the interface of interpersonal and mediated communication in everyday life. Includes topics such as parasocial interaction, talk radio, TV co-viewing, cell phones, teleconferencing, computer-mediated relationships and media portrayals.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 75670 INTERPERSONAL COMMUNICATION 3 Credit Hours**

(Slashed with COMM 65670) Survey of recent theoretical developments and research in interpersonal communication. Topics include relationship development, interaction, interpersonal traits, compliance, conversational analysis and research methods.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 75794 TEACHING OF COLLEGE COMMUNICATION 3 Credit Hours**

(Repeatable for credit) (Slashed with COMM 65794) Training and experience in college teaching. Maximum of three hours applicable toward doctoral degree requirements.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 75891 SEMINAR IN ORGANIZATIONAL COMMUNICATION 3,4 Credit Hours**

(Repeatable for credit) Theories and problems of human communication within, between and/or among formal organizations.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Seminar

**Contact Hours:** 3-4 other

**Grade Mode:** Standard Letter

**COMM 80199 DISSERTATION I 15 Credit Hours**

(Repeatable for credit) Doctoral dissertation for which registration in at least two semesters is required, first of which will be semester in which dissertation work is begun and continuing until the completion of 30 hours.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Dissertation

**Contact Hours:** 15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**COMM 80299 DISSERTATION II 15 Credit Hours**

(Repeatable for credit) Continuing registration required of doctoral students who have completed the initial 30 hours of dissertation and continuing until all degree requirements are met.

**Prerequisite:** COMM 80199; and doctoral standing.

**Schedule Type:** Dissertation

**Contact Hours:** 15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**COMM 85000 FOUNDATIONS OF COMMUNICATION AND ADVOCACY 3 Credit Hours**

(Slashed with COMM 65000) This course will introduce students to the foundation of scientific inquiry and its application to effective advocacy generally, and communication studies specifically. Research in the field of communication has been central to the study and practice of advocacy. Students will learn about the history of the field and representative communication perspectives and paradigms that have been central to the study and practice of advocacy in different contexts. In this course, students will explore how communication has played a role in advocacy and social change. Students will understand the root and the development of the field and thinking related to advocacy, and will evaluate, critique and synthesize communication literature.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 85070 SOCIAL INFLUENCE 3 Credit Hours**

(Slashed with COMM 65070) This course explores theories, ethics, and strategies of social influence in contemporary society. Students discuss, and critique influential communication practices such as advocacy, interpersonal persuasion, product and services advertisements, social movements, and political messages.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**COMM 85098 RESEARCH 1-15 Credit Hours**

(Repeatable for credit) Research or individual investigation for doctoral students who have not yet passed their candidacy examination. Credits may be applied toward degree if school approves.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Research

**Contact Hours:** 1-15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**COMM 85662 MEDIA EFFECTS 3 Credit Hours**

(Slashed with COMM 65662) This course examines the uses and effects of mediated communication, media processes, how information flows through societies, and audience reactions to media messages. Attention is paid to diverse channels, audiences, and representations in media across a range of contexts.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 85675 COMMUNICATION, UNCERTAINTY AND PRIVACY MANAGEMENT 3 Credit Hours**

(Slashed with COMM 65675) Communication, uncertainty and the management of private information examines theory and research about disclosure and uncertainty issues in communication in a variety of contexts. Course content examines disclosure and uncertainty management applications in relational contexts, health contexts, organizational contexts, and contexts involving human interaction occurring through technology.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 85677 RELATIONAL COMMUNICATION 3 Credit Hours**

(Slashed with COMM 65677) Relational communication provides an exploration of communication theory and research about the interactions among individuals in personal relationships. Subtopics of the course include communication and the development, maintenance, and dissolution of personal relationships, relationships across the life span, individual differences in relationships and relational processes, qualities and outcomes.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 85683 INTERGROUP COMMUNICATION 3 Credit Hours**

(Slashed with COMM 65683) Overview of theory and research of communication between groups of individuals, including issues of discrimination, language, identity, social status, religion and demographics.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 85736 GLOBAL COMMUNICATION AND PUBLIC DIPLOMACY 3 Credit Hours**

(Slashed with COMM 65736) Provides students with an in-depth understanding of public diplomacy as an instrument of foreign policy by considering both Western and non-Western paradigms, case studies and policies. By placing communication as a central organizational framework, it critically explores the theory and practice of public diplomacy from historical and contemporary perspectives. It examines how governments, businesses and non-governmental organizations engage with foreign publics with the aim of exerting influence and seeking favorable political, cultural and economic conditions. Drawing from existing and emerging trends, it emphasizes the centrality of communication in the different avenues of public diplomacy including international broadcasting, media technology, educational and cultural exchange and global sporting events. By framing public diplomacy as a double-edged communication phenomenon that can be deployed as a means of global understanding/advocacy as well as a tool for conflict/domination, the course prepares students to be critical participants and targets of the global mechanics of public influence.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**COMM 85851 ORGANIZATIONAL COMMUNICATION 3 Credit Hours**

(Slashed with COMM 65851) Structure, methodology and application of communication theory in industrial and organizational settings.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**COMM 86501 HEALTH COMMUNICATION 3 Credit Hours**

(Slashed with COMM 66501) This course provides an overview of the ways health communication can empower individuals and communities to improve their health and well-being. Students will learn about theoretical and practical tools for communicating about and enhancing health in personal, community, and healthcare contexts. In addition, the course explores how effective partnerships between researchers and community groups can be utilized in community-based participatory research.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## Health Informatics (HI)

**HI 41095 SPECIAL TOPICS IN HEALTH INFORMATICS 1-3 Credit Hours**

(Repeatable for credit) Topics could include current or emerging issues in health informatics. Topics will be announced in schedule of classes. Offered irregularly as resources and opportunities permit.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**HI 41096 INDIVIDUAL INVESTIGATION IN HEALTH INFORMATICS 1-3 Credit Hours**

(Repeatable for credit) Research or individual investigation in areas not covered in the existing curriculum for baccalaureate level students at or above the junior level. In-progress (IP) mark permissible.

**Prerequisite:** Special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Standard Letter-IP

**HI 60401 HEALTH INFORMATICS MANAGEMENT 3 Credit Hours**

(Slashed with HI 80401) This introductory course is a survey course that acts as a foundation for all other courses in the Health Informatics program. Basic concepts of Health Informatics are emphasized throughout. The course targets students who at some point in their career will oversee or have direct input on one of the highest expenditure areas for health care organizations—the planning, selection, deployment and management of electronic medical records (EMR), management decision-support and tracking systems (DSS) and other health information technologies (health IT).

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60402 LEGAL ISSUES IN HEALTH INFORMATICS 3 Credit Hours**

(Slashed with HI 80402) This course provides students with an introduction to the fundamentals of law for Health Informatics and Information Management. Components of learning will include general legal principles and regulatory issues in the U.S. healthcare system. Primary topics will include ethical issues, consideration of state laws and the Federal Health Insurance Portability and Accountability Act (HIPAA), privacy and security rules. Through discussion board and writing assignments, students will demonstrate understanding of practical issues of health information access, its use and disclosure, and the legal and regulatory consequences associated with breaches of health information confidentiality and security. We will explore some of the special legal issues with electronic health records (EHR) and health information exchange; secondary uses of health information; compliance; and related ethics issues.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60403 HEALTH INFORMATION SYSTEMS 3 Credit Hours**

(Slashed with HI 80403) Introduction to information systems and their applications in healthcare used for managerial and clinical support. Study the fundamentals of information systems, including Electronic Medical Records (EMR), information security. Understand the role of standardized codes, vocabularies and terminologies used in health information systems. Analysis of management and enterprise systems, identify the key elements to manage information resources effectively and the trends affecting the development of health information systems and networks.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60410 HEALTH RECORDS MANAGEMENT 3 Credit Hours**

(Slashed with HI 80410) This course examines Health Information Management, the role of the HIM professional in the context of the health system and the role of the health record. The role of information management and documentation principles is essential to the successful application of technology and ensuring an effective health information infrastructure. The course discusses confidentiality, privacy, security, reliable standards, data integrity, quality, governance, and ethical principles that make health care information of use for organizations and individuals.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60411 CLINICAL ANALYTICS 3 Credit Hours**

(Slashed with HI 80411) The use of well-defined and well-integrated clinical analytics throughout the healthcare value chain can be transformative. Through careful implementation of health analytics, hospitals can transform unwieldy amalgamations of data into information that can: improve patient outcomes, increase safety, enhance operational efficiency and support public health. Given the immense size of the data challenge, the distinctness and geographic spread of many healthcare-related activities, and the fact that so many healthcare activities are conducted by different entities which must interact with each other, there is really no other way to provide operations management tools necessary to deliver personalized medicine and to control spiraling costs. Since clinical analytics is an immature discipline, we carefully examine the practices of those institutions that are standard setters in the industry.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60412 CLINICAL DECISION SUPPORT 3 Credit Hours**

(Slashed with HI 80412) Provides a practical survey of clinical decision support systems that collect clinical data and enable the transition to clinical knowledge in real world applications intended to improve quality and safety of patient care. Students become familiar with the basic requirements for clinical decision support systems and the challenges associated with the development and deployment of new applications within the healthcare setting.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60413 CHANGE MANAGEMENT IN HEALTH INFORMATICS 3 Credit Hours**

(Slashed with HI 80413) Designed to cover the process of change management in large healthcare organizations in light of current trends. Topics related to technology requirements, technology implementations, risk assessment and buy-in are among those covered.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60414 HUMAN FACTORS AND USABILITY IN HEALTH INFORMATICS 3 Credit Hours**

(Slashed with HI 80414) Provides students with the foundational principles of usability and human factors as applied to safety and quality in health informatics technology. Course readings and materials review the concepts of human factors, usability and the cognitive consequences of health information technology on clinical performance and decision making. Attention is given to the role of mobile computing in health care, as well as information visualization.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60416 HEALTH INFORMATICS ISSUES: POLICY, POLITICS AND ETHICS 3 Credit Hours**

(Slashed with HI 80416) This course uses a policy analysis lens to critically examine issues related to the use of information technology in healthcare from an ethical, political and regulatory perspective. Course's primary focus is on the United States, but international approaches are also discussed. Legislation affecting health information technology area are examined, including the American Reinvestment and Recovery Act, HITECH section; Affordable Care Act and Health Insurance Portability and Accountability Act (HIPAA) of 1996. Topics and issues related to health informatics also are discussed, including structure of health administrative and delivery systems, assessment of population health, models of health care delivery, access and quality of care.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60417 PUBLIC HEALTH INFORMATICS 3 Credit Hours**

(Slashed with HI 80417) Public Health Informatics (PHI) is an emergent, interdisciplinary field that focuses on the systematic management and dynamic application of information resources to enhance public health practice, education and research. As an emerging subset of Health Informatics, PHI is practiced by individuals, governmental and nongovernmental organizations at the international, national, regional, state and local levels. PHI deals with the collection and analysis of vital statistics data through surveillance; information creation; information storage and retrieval; visualization and graphics; dissemination; use of information for policy, decision making and trend tracking. The purpose of this course is to provide students with an introductory overview of the vast and dynamic field of PHI, including definitions, approaches, competencies, applications and informatics principles applied in public health settings.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60418 CLINICAL ANALYTICS II 3 Credit Hours**

As the volume and complexity of health data continues to grow, analysis of that data requires more advanced tools to transform that data into meaningful information for clinical decisions. Not only is data from electronic medical records (EMRs) growing at a rapid pace but new types of data are available for analysis, such as, genomic data and patient generated data. These advanced analytic tools break down into three areas, each of which will be examined in this course: new data warehousing techniques to manage big data, new analytic tools including cognitive computing and predictive analytics and new ways to visualize the data. All of these techniques transform the raw data into use cases, such as, population health, precision medicine and clinical decision support using artificial intelligence and machine learning which will also be addressed in this course.

**Prerequisite:** HI 60411; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60419 CONSUMER HEALTH INFORMATICS 3 Credit Hours**

This course examines the history and current trends in consumer health informatics, examining how patients and healthcare stakeholders manage health in the digital age. The evolution of health information technology has expanded the role of the patient to include being a consumer of healthcare, bringing with it more capabilities and responsibilities. The course will discuss health information and communication technologies and their influence on health care for patients, affecting health information seeking behaviors and expectations among multiple stakeholder groups. The course will discuss US and global perspectives for health information professionals serving health information needs in the community and in medical, academic, and public libraries.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60636 STANDARDIZED TERMINOLOGIES IN HEALTHCARE 3 Credit Hours**

Introduce various types of standardized healthcare terminologies (controlled vocabularies) used in the Electronic Health Records (EHR) and Health Information Exchange (HIE). Present the benefits of using standardized terminologies, as well as the interoperability and Meaningful Use (MU) requirements and standards. Explain the purposes, structures, components, and application of the most widely implemented standardized terminologies such as ICD, CPT, SNOMED CT, LOINC, RxNorm, ICNP and UMLS.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 60691 SEMINAR IN HEALTH INFORMATICS 1-3 Credit Hours**

(Repeatable for credit) (Slashed with HI 80691) Advanced research by students who are qualified to examine problems of certain special areas in health informatics.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

**HI 60693 VARIABLE TITLE WORKSHOP IN HEALTH INFORMATICS 1-3 Credit Hours**

(Repeatable for credit). Intensive examination of special topics of interest to those involved in health informatics program. Maximum workshop credit for the M.S. degree in health informatics is 4 semester hours.

**Prerequisite:** Graduate standing.

**Schedule Type:** Workshop

**Contact Hours:** 1-3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**HI 60792 ELECTIVE INTERNSHIP IN HEALTH INFORMATICS 2-3 Credit Hours**

(Repeatable for credit) Supervised work experience in health informatics of a professional nature of not less than 100 clock hours (for 2 credit hours) or 150 clock hours (for 3 credit hours).

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 6.66-10 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**HI 61095 SPECIAL TOPICS IN HEALTH INFORMATICS 1-3 Credit Hours**

(Repeatable for credit) (Slashed with HI 81095) Offered irregularly as resources and or opportunities permit. Topics could include current or emerging issues in health informatics. Specific topics are announced in the Schedule of Classes.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 Lecture

**Grade Mode:** Standard Letter

**HI 61096 INDIVIDUAL INVESTIGATION IN HEALTH INFORMATICS 1-3 Credit Hours**

(Repeatable for credit) Research or individual investigation in areas not covered by the existing curriculum for master's level students. Maximum 6 credit hours towards master's degree.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Standard Letter-IP

**HI 66092 MASTER'S INTERNSHIP IN HEALTH INFORMATICS 3 Credit Hours**

Supervised work experience of an advanced professional nature that concentrates on developing skills in areas of health informatics and integrates their knowledge from all HI courses and experiences.

**Prerequisite:** HI 60401, HI 60402, HI 60403, HI 60410, HI 60411, HI 60414 and HI 60636; and minimum 3.000 overall GPA; and graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 10 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**HI 66099 MASTER'S PROJECT IN HEALTH INFORMATICS 3 Credit Hours**

Provides a means for the application of the knowledge, research and competencies learned through study in health informatics to the development of an information system, product, setting or service.

**Prerequisite:** HI 60401, HI 60402, HI 60403, HI 60410, HI 60411, HI 60414 and HI 60636; and minimum overall 3.000 GPA; and graduate standing; and special approval.

**Schedule Type:** Project or Capstone

**Contact Hours:** 3 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**HI 66198 MASTER'S RESEARCH PAPER IN HEALTH INFORMATICS 3 Credit Hours**

Under the advisement of a faculty member, students will complete a research paper that serves as a culminating experience for the Health Informatics master's degree.

**Prerequisite:** HI 60401, HI 60402, HI 60403, HI 60410, HI 60411, HI 60414 and HI 60636; and minimum 3.000 overall GPA; and graduate standing; and special approval.

**Schedule Type:** Research

**Contact Hours:** 9 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**HI 66199 THESIS I 2-6 Credit Hours**

(Repeatable for credit) Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.

**Prerequisite:** HI 60401, HI 60402, HI 60403, HI 60410, HI 60411, HI 60414 and HI 60636; and minimum 3.000 overall GPA; and graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 6-18 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**HI 66299 THESIS II 2 Credit Hours**

(Repeatable for credit) Thesis students must continue registration each semester until all degree requirements are met.

**Prerequisite:** HI 66199; and graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**HI 80401 HEALTH INFORMATICS MANAGEMENT 3 Credit Hours**

(Slashed with HI 60401) This introductory course is a survey course that acts as a foundation for all other courses in the Health Informatics program. Basic concepts of Health Informatics are emphasized throughout. The course targets students who at some point in their career will oversee or have direct input on one of the highest expenditure areas for health care organizations—the planning, selection, deployment, and management of electronic medical records (EMR), management decision-support and tracking systems (DSS), and other health information technologies (health IT).

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 80402 LEGAL ISSUES IN HEALTH INFORMATICS 3 Credit Hours**

(Slashed with HI 60402) This course provides students with an introduction to the fundamentals of law for Health Informatics and Information Management. Components of the learning will include general legal principles and regulatory issues in the U.S. healthcare system. Primary topics will include ethical issues, consideration of state laws and the Federal Health Insurance Portability and Accountability Act (HIPAA), privacy and security rules. Through discussion board and writing assignments, students will demonstrate understanding of practical issues of health information access, its use and disclosure, and the legal and regulatory consequences associated with breaches of health information confidentiality and security. We will explore some of the special legal issues with electronic health records (EHR) and health information exchange; secondary uses of health information; compliance; and related ethics issues.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 80403 HEALTH INFORMATION SYSTEMS 3 Credit Hours**

(Slashed with HI 60403) Introduction to information systems and their applications in healthcare used for managerial and clinical support. Study the fundamentals of information systems, including Electronic Medical Records (EMR), information security. Understand the role of standardized codes, vocabularies and terminologies used in health information systems. Analysis of management and enterprise systems, identify the key elements to manage information resources effectively and the trends affecting the development of health information systems and networks.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 80410 HEALTH RECORDS MANAGEMENT 3 Credit Hours**

(Slashed with HI 60410) This course examines Health Information Management, the role of the HIM professional in the context of the health system and the role of the health record. The role of information management and documentation principles is essential to the successful application of technology and ensuring an effective health information infrastructure. The course discusses confidentiality, privacy, security, reliable standards, data integrity, quality, governance, and ethical principles that make health care information of use for organizations and individuals.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 80411 CLINICAL ANALYTICS 3 Credit Hours**

(Slashed with HI 60411) The use of well-defined and well integrated clinical analytics throughout the healthcare value chain can be transformative. Through careful implementation of health analytics, hospitals can transform unwieldy amalgamations of data into information that can: Improve patient outcomes, increase safety, enhance operational efficiency and support public health. Given the immense size of the data challenge, the distinctness and geographic spread of many healthcare-related activities, and the fact that so many healthcare activities are conducted by different entities which must interact with each other, there is really no other way to provide operations management tools necessary to deliver personalized medicine and to control spiraling costs. Since clinical analytics is an immature discipline, we carefully examine the practices of those institutions that are standard setters in the industry.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 80412 CLINICAL DECISION SUPPORT 3 Credit Hours**

(Slashed with HI 60412) Provides a practical survey of clinical decision support systems that collect clinical data and enable the transition to clinical knowledge in real world applications intended to improve quality and safety of patient care. Students become familiar with the basic requirements for clinical decision support systems and the challenges associated with the development and deployment of new applications within the healthcare setting.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 80413 CHANGE MANAGEMENT IN HEALTH INFORMATICS 3 Credit Hours**

(Slashed with HI 60413) Designed to cover the process of change management in large healthcare organizations in light of current trends. Topics related to technology requirements, technology implementations, risk assessment, end user computing and buy-in are among those covered.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 80414 HUMAN FACTORS AND USABILITY IN HEALTH INFORMATICS 3 Credit Hours**

(Slashed with HI 60414) Provides students with the foundational principles of usability and human factors as applied to safety and quality in health informatics technology. Course readings and materials review the concepts of human factors, usability, and the cognitive consequences of health information technology on clinical performance and decision making. Attention is given to the role of mobile computing in health care, as well as information visualization.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 80416 HEALTH INFORMATICS ISSUES: POLICY, POLITICS AND ETHICS 3 Credit Hours**

(Slashed with HI 60416) This course uses a policy analysis lens to critically examine issues related to the use of information technology in healthcare from an ethical, political and regulatory perspective. Course's primary focus is on the United States, but international approaches are also be discussed. Legislation affecting health information technology area are examined, including the American Reinvestment and Recovery Act, HITECH section; Affordable Care Act and Health Insurance Portability and Accountability Act (HIPAA) of 1996. Topics and issues related to health informatics also are discussed, including structure of health administrative and delivery systems, assessment of population health, models of health care delivery, access and quality of care.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 80417 PUBLIC HEALTH INFORMATICS 3 Credit Hours**

(Slashed with HI 60417) Public Health Informatics (PHI) is an emergent, interdisciplinary field that focuses on the systematic management and dynamic application of information resources to enhance public health practice, education and research. As an emerging subset of Health Informatics, PHI is practiced by individuals, governmental and nongovernmental organizations at the international, national, regional, state and local levels. PHI deals with the collection and analysis of vital statistics data through surveillance; information creation; information storage and retrieval; visualization and graphics; dissemination; use of information for policy, decision making and trend tracking. The purpose of this course is to provide students with an introductory overview of the vast and dynamic field of PHI, including definitions, approaches, competencies, applications and informatics principles applied in public health settings.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**HI 80691 SEMINAR IN HEALTH INFORMATICS 1-3 Credit Hours**

(Repeatable for credit) (Slashed with HI 60691) Advanced research by students who are qualified to examine problems of certain special areas in health informatics.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

**HI 81095 SPECIAL TOPICS IN HEALTH INFORMATICS 1-3 Credit Hours**

(Repeatable for credit) (Slashed with HI 61095) Offered irregularly as resources and or opportunities permit. Topics could include current or emerging issues in health informatics. Specific topics are announced in the Schedule of Classes.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**HI 81096 INDIVIDUAL INVESTIGATION IN HEALTH INFORMATICS 1-3 Credit Hours**

(Repeatable for credit). Research or individual investigation in areas not covered by the existing curriculum for doctoral level students. Deliverables determined with instructor of record.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Standard Letter-IP

## Knowledge Management (KM)

**KM 41095 SPECIAL TOPICS IN KNOWLEDGE MANAGEMENT 1-3 Credit Hours**

(Repeatable for credit) Topics could include current or emerging issues in knowledge management. Topics will be announced in schedule of classes. Offered irregularly as resources and opportunities permit.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**KM 41096 INDIVIDUAL INVESTIGATION IN KNOWLEDGE MANAGEMENT 1-3 Credit Hours**

(Repeatable for credit) Research or individual investigation in areas not covered in the existing curriculum for baccalaureate level students at or above the junior level.

**Prerequisite:** Special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Standard Letter-IP

**KM 60301 FOUNDATIONAL PRINCIPLES OF KNOWLEDGE MANAGEMENT 3 Credit Hours**

(Slashed with KM 80301) An introduction to the field of Knowledge Management (KM) with particular attention given to KM practices in various environments such as business, government, the military, non-profits, education, communities and societies. This course will provide students with an understanding of the nature of knowledge, core KM principles, KM processes, the KM life cycle, KM social and technological tools, KM's effects and effectiveness, KM ethics, KM strategy and significant KM issues such as culture, and innovation. Covers principles of collection versus connection as to knowledge.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 60302 DESIGNING AND IMPLEMENTING KNOWLEDGE MANAGEMENT IN THE WORKPLACE 3 Credit Hours**

(Slashed with KM 80302) This course will explore how to effectively create a Knowledge Management (KM) program, including learning about factors that can lead to either success or failure. Two broad areas of focus will include purposeful collaboration and effective networking. This course will cover a complete KM program methodology starting from the initial steps to form a KM program and how to create an implementation plan to give any organization the greatest chance to go from strategy to action to sustainability.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 60303 KNOWLEDGE METRICS AND ASSESSMENT 3 Credit Hours**

(Slashed with KM 80303) Learn how to design, build, and operate a measurement strategy that evaluates the effectiveness of a Knowledge Management (KM) program and its components in achieving business objectives. The course provides an overview of overall organization measurement approaches (e.g., focus groups, interviews, surveys) and applies them in a KM context (e.g., KM Maturity Model, Communities of Practice, Search, Expert Finding). Students will also learn how to tailor their presentation of resulting metrics for specific audiences (KM practitioner, business leader, etc.). Students will apply what they have learned to develop a measurement strategy using case studies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 60305 COMMUNITIES OF PRACTICE 3 Credit Hours**

(Slashed with KM 80305) This course will explore communities and community management from a practical perspective. It will enable students to learn how knowledge management leaders launch and lead communities of practice programs as part of their initiatives. Students will learn how community managers do their jobs successfully through applying proven practices for creating and cultivating communities. The course exposes students to the fundamental concepts and principles of communities of practice and includes real life case studies. Students will complete a course project pertaining to community of practice evaluation.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 60306 THOUGHT LEADERSHIP AND CAREER DEVELOPMENT IN KNOWLEDGE MANAGEMENT 1 Credit Hour**

(Slashed with KM 80306) Students will develop thought leadership strategies and innovative ideas to build their professional agenda and guide career planning. Students will review their knowledge of business from a knowledge management perspective and identify related career path options. Students will share their career options to help determine their M.S. program plan.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**KM 60308 EMERGING TECHNOLOGIES IN KNOWLEDGE MANAGEMENT 3 Credit Hours**

(Slashed with KM 80308) Explores the various emerging digital technologies and their application to the digital workplace that complement the human aspects of knowledge management. Work process digitalization is accelerating and artificial intelligence and mixed reality devices are critical technologies that will allow knowledge management professionals to deliver instant, relevant knowledge in the context of the work for both field and knowledge workers. Includes real life case studies of pioneers of emerging digital technologies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 60312 STRATEGIC INTELLIGENCE 3 Credit Hours**

This course is an introduction to strategic intelligence, consisting of competitive and business intelligence. Strategic intelligence is both art and science, used for critical decision-making, planning and response. Businesses and governments require effective intelligence programs, processes and tools, to track competitors, markets and trends by acquiring, organizing, analyzing and disseminating intelligence. Students will learn about the intelligence cycle, needs analysis and intelligence analysis resources, techniques and technologies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 60316 ORGANIZATIONAL CULTURE ASSESSMENT 3 Credit Hours**

(Slashed with KM 80316) In this course, students will examine different types of cultures and how each type influences a knowledge organization - how culture influences the way knowledge workers work, how they make decisions and how they behave, the internal cultures of groups and communities, the cultural attributes of knowledge workers which may impact their knowledge behaviors. Organizational cultures of multicultural, global and virtual organizations are covered in this course. Students conduct an organizational culture assessment.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 60370 SEMANTIC ANALYSIS METHODS AND TECHNOLOGIES 3 Credit Hours**

(Slashed with KM 80370) Introduces students to the practical contexts, methods and tools associated with semantic analysis. Focuses on early life cycle aspects of semantics, including identification and modeling of semantic problems, design of semantic solutions, and the identification and implementation of appropriate semantic technologies. Covers natural language processing, rule-based and grammar based concept extraction, rule-based and dynamic classification and automated summarization. Students work with a variety of semantic technologies.

**Prerequisite:** BA 64036 or EMAT 64210 or KM 60301; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 60691 SEMINAR IN KNOWLEDGE MANAGEMENT 1-3 Credit Hours**

(Repeatable for credit) (Slashed with KM 80691) Advanced research by students who are qualified to examine problems of certain special areas in knowledge management.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

**KM 60693 VARIABLE TITLE WORKSHOP IN KNOWLEDGE MANAGEMENT 1-3 Credit Hours**

(Repeatable for credit) Intensive examination of special topics of interest to those involved in knowledge management.

**Prerequisite:** Graduate standing.

**Schedule Type:** Workshop

**Contact Hours:** 1-3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**KM 61095 SPECIAL TOPICS IN KNOWLEDGE MANAGEMENT 1-3 Credit Hours**

(Repeatable for credit) (Slashed with KM 81095) Offered irregularly as resources and or opportunities permit. Topics could include current or emerging issues in knowledge management. Specific topics are announced in the Schedule of Classes.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**KM 61096 INDIVIDUAL INVESTIGATION IN KNOWLEDGE MANAGEMENT 1-3 Credit Hours**

(Repeatable for credit) Research or individual investigation in areas not covered in the existing curriculum for master's level students. Maximum credit towards master's degree: 6 hours.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Standard Letter-IP

**KM 66092 MASTER'S INTERNSHIP IN KNOWLEDGE MANAGEMENT 3 Credit Hours**

Supervised work experience of an advanced professional nature that concentrates on developing skills in areas of knowledge management and integrates their knowledge from all KM courses and experiences.

**Prerequisite:** KM 60301, KM 60302, KM 60306, LIS 60636 and MGMT 64158; and a minimum 3.000 overall GPA; and graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**KM 66099 MASTER'S PROJECT IN KNOWLEDGE MANAGEMENT 3 Credit Hours**

Provides a means for the application of the knowledge, research and competencies learned through study in knowledge management to the development of an information system, product, setting or service.

**Prerequisite:** KM 60301, KM 60302, KM 60306, LIS 60636 and MGMT 64158; and minimum 3.000 overall GPA; and graduate standing; and special approval.

**Schedule Type:** Project or Capstone

**Contact Hours:** 3 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**KM 66198 MASTER'S RESEARCH PAPER IN KNOWLEDGE MANAGEMENT 3 Credit Hours**

Under the advisement of a faculty member, students will complete a research paper that serves as a culminating experience for the Knowledge Management master's degree.

**Prerequisite:** KM 60301, KM 60303, KM 60306, LIS 60636 and MGMT 64158; and minimum 3.000 overall GPA; and graduate standing; and special approval.

**Schedule Type:** Master's Project

**Contact Hours:** 9 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**KM 66199 THESIS I 2-6 Credit Hours**

Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.

**Prerequisite:** KM 60301, KM 60302, KM 60306, LIS 60636; MGMT 64158; and minimum 3.000 overall GPA; and graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 6-18 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**KM 66299 THESIS II 2 Credit Hours**

Thesis students must continue registration each semester until all degree requirements are met.

**Prerequisite:** KM 66199; and graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**KM 80301 FOUNDATIONAL PRINCIPLES OF KNOWLEDGE MANAGEMENT 3 Credit Hours**

(Slashed with KM 60301) An introduction to the field of Knowledge Management (KM) with particular attention given to KM practices in various environments such as business, government, the military, non-profits, education, communities, and societies. This course will provide students with an understanding of the nature of knowledge, core KM principles, KM processes, the KM life cycle, KM social and technological tools, KM's effects and effectiveness, KM ethics, KM strategy, and significant KM issues such as culture, and innovation. Covers principles of collection versus connection as to knowledge.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 80302 DESIGNING AND IMPLEMENTING KNOWLEDGE MANAGEMENT IN THE WORKPLACE 3 Credit Hours**

(Slashed with KM 60302) This course will explore how to effectively create a Knowledge Management (KM) program, including learning about factors that can lead to either success or failure. Two broad areas of focus will include purposeful collaboration and effective networking. This course will cover a complete KM program methodology starting from the initial steps to form a KM program and how to create an implementation plan to give any organization the greatest chance to go from strategy to action to sustainability.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 80303 KNOWLEDGE METRICS AND ASSESSMENT 3 Credit Hours**

(Slashed with KM 60303) Learn how to design, build, and operate a measurement strategy that evaluates the effectiveness of a Knowledge Management (KM) program and its components in achieving business objectives. The course provides an overview of overall organization measurement approaches (e.g., focus groups, interviews, surveys) and applies them in a KM context (e.g., KM Maturity Model, Communities of Practice, Search, Expert Finding). Students will also learn how to tailor their presentation of resulting metrics for specific audiences (KM practitioner, business leader, etc.). Students will apply what they have learned to develop a measurement strategy using case studies.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 80305 COMMUNITIES OF PRACTICE 3 Credit Hours**

(Slashed with KM 60305) This course will explore communities and community management from a practical perspective. It will enable students to learn how knowledge management leaders launch and lead communities of practice programs as part of their initiatives. Students will learn how community managers do their jobs successfully through applying proven practices for creating and cultivating communities. The course exposes students to the fundamental concepts and principles of communities of practice, and includes real life case studies. Students will complete a course project pertaining to community of practice evaluation.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 80306 THOUGHT LEADERSHIP AND CAREER DEVELOPMENT IN KNOWLEDGE MANAGEMENT 1 Credit Hour**

(Slashed with KM 60306) Students will develop thought leadership strategies and innovative ideas to build their professional agenda and guide career planning. Students will review their knowledge of business from a knowledge management perspective and identify related career path options.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**KM 80308 EMERGING TECHNOLOGIES IN KNOWLEDGE MANAGEMENT 3 Credit Hours**

(Slashed with KM 60308) Explores the various emerging digital technologies and their application to the digital workplace that complement the human aspects of knowledge management. Work process digitalization is accelerating and artificial intelligence and mixed reality devices are critical technologies that will allow knowledge management professionals to deliver instant, relevant knowledge in the context of the work for both field and knowledge workers. Includes real life case studies of pioneers of emerging digital technologies.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 80316 ORGANIZATIONAL CULTURE ASSESSMENT 3 Credit Hours**

(Slashed with KM 60316) In this course, students will examine different types of cultures and how each type influences a knowledge organization - how culture influences the way knowledge workers work, how they make decisions and how they behave, the internal cultures of groups and communities, the cultural attributes of knowledge workers which may impact their knowledge behaviors. Organizational cultures of multicultural, global and virtual organizations are covered in this course. Students conduct an organizational culture assessment.

**Prerequisite:** KM 80301; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 80370 SEMANTIC ANALYSIS METHODS AND TECHNOLOGIES 3 Credit Hours**

(Slashed with KM 60370) Introduces students to the practical contexts, methods and tools associated with semantic analysis. Focuses on early life cycle aspects of semantics, including identification and modeling of semantic problems, design of semantic solutions and the identification and implementation of appropriate semantic technologies. Covers natural language processing, rule-based and grammar based concept extraction, rule-based and dynamic classification and automated summarization. Students work with a variety of semantic technologies.

**Prerequisite:** KM 80301; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**KM 80691 SEMINAR IN KNOWLEDGE MANAGEMENT 1-3 Credit Hours**

(Repeatable for credit) (Slashed with KM 60691) Advanced research by students who are qualified to examine problems of certain special areas in knowledge management.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

**KM 81095 SPECIAL TOPICS IN KNOWLEDGE MANAGEMENT 1-3 Credit Hours**

(Repeatable for credit) (Slashed with KM 61095) Offered irregularly as resources and or opportunities permit. Topics could include current or emerging issues in knowledge management. Specific topics are announced in the Schedule of Classes.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**KM 81096 INDIVIDUAL INVESTIGATION IN KNOWLEDGE MANAGEMENT 1-3 Credit Hours**

(Repeatable for credit) Research or individual investigation in areas not covered by the existing curriculum for doctoral level students.

Deliverables determined with instructor of record.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Standard Letter-IP

## Library and Information Science (LIS)

**LIS 20600 APPLIED DATA AND INFORMATION FUNDAMENTALS 3 Credit Hours**

This course provides an introduction to data science from an information science perspective. Key elements include the role and impact of data on people and society; the disciplinary and interdisciplinary nature of data science; the information science approach to data in an applied area; the stages of data in the data lifecycle; basic knowledge and skills associated with various stages of the data lifecycle; data-related standards, principles, and best practices to make data more accessible, discoverable, retrievable, and usable; and human-centered, ethical, and contextual considerations of data.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 30010 INFORMATION FLUENCY IN THE WORKPLACE AND BEYOND 3 Credit Hours**

This course is designed to help students understand, navigate and become full participants in information society. It goes beyond basic library and internet skills to highlight issues specific to professional information environments. Emphasis is placed on acknowledging the contextual, dynamic and fluid nature of information to further understand it as a process, commodity and entity. Students will examine and critically reflect on the value of using multiple information resources and emerging technologies to fill gaps in academic, professional and personal information contexts.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 40645 DATABASE FUNDAMENTALS FOR INFORMATION PROFESSIONALS 3 Credit Hours**

(Slashed with LIS 50645) Characteristics and concepts of database; different types of database models; conceptual database design and implementation; the relational database model and its application in practice for information professionals: key issues, principles, and techniques; data storage, processing, retrieval, analysis, and reporting.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 40646 RESEARCH DATA MANAGEMENT 3 Credit Hours**

(Slashed with LIS 50646) This course introduces students to current and historical issues and practice in the creation, management, curation, access and reuse of research data. Other related topics to be addressed include systems and standards for collecting, curating and preserving research data across different disciplines and contexts. Students will develop the skills to create actionable data management plans, to support sustainable projects and to work with researchers to build, access and maintain data infrastructures. Students will have the opportunity to apply some basic principles in their respective disciplinary interests.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 40647 INTRODUCTION TO DIGITAL HUMANITIES 3 Credit Hours**

(Slashed with LIS 50647) Provides students with a greater understanding of how new forms of knowledge production and representation, computational thinking and applications of various information and digital technologies have impacted research and pedagogy in humanities disciplines. Special attention is given to how information professionals can support and promote digital humanities work. Students have the opportunity to explore, apply and critique the technologies, tools, methods and values of the digital humanities field.

**Pre/corequisite:** LIS 40645.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 40693 VARIABLE TITLE WORKSHOP IN INFORMATION STUDIES 1-3 Credit Hours**

(Repeatable for credit) Intensive examination of special topics of interest in information studies.

**Prerequisite:** Junior or senior standing.

**Schedule Type:** Workshop

**Contact Hours:** 1-3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**LIS 41095 SPECIAL TOPICS IN INFORMATION STUDIES 1-3 Credit Hours**

(Repeatable for credit) (Slashed with LIS 51095) Topics will be announced in schedule of classes. Offered irregularly as resources and opportunities permit.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**LIS 50645 DATABASE FUNDAMENTALS FOR INFORMATION PROFESSIONALS 3 Credit Hours**

(Slashed with LIS 40645) Characteristics and concepts of database; different types of database models; conceptual database design and implementation; the relational database model and its application in practice for information professionals: key issues, principles, and techniques; data storage, processing, retrieval, analysis, and reporting.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 50646 RESEARCH DATA MANAGEMENT 3 Credit Hours**

(Slashed with LIS 40646) This course introduces students to current and historical issues and practice in the creation, management, curation, access and reuse of research data. Other related topics to be addressed include systems and standards for collecting, curating and preserving research data across different disciplines and contexts. Students will develop the skills to create actionable data management plans, to support sustainable projects and to work with researchers to build, access and maintain data infrastructures. Students will have the opportunity to apply some basic principles in their respective disciplinary interests.

**Prerequisite:** LIS 60510; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 50647 INTRODUCTION TO DIGITAL HUMANITIES 3 Credit Hours**

(Slashed with LIS 40647) Provides students with a greater understanding of how new forms of knowledge production and representation, computational thinking and applications of various information and digital technologies have impacted research and pedagogy in humanities disciplines. Special attention is given to how information professionals can support and promote digital humanities work. Students have the opportunity to explore, apply and critique the technologies, tools, methods and values of the digital humanities field.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 50693 VARIABLE TITLE WORKSHOP IN INFORMATION STUDIES 1-3 Credit Hours**

(Repeatable for credit) Maximum workshop credit accepted for M.L.I.S. degree is 4 credit hours. Intensive examination of special topics of interest to current M.L.I.S. students and practicing librarians, archivists and museum studies professionals.

**Prerequisite:** Graduate standing.

**Schedule Type:** Workshop

**Contact Hours:** 1-3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**LIS 51095 SPECIAL TOPICS IN INFORMATION STUDIES 1-3 Credit Hours**

(Repeatable for credit) (Slashed with LIS 41095) Topics will be announced in schedule of classes. Offered irregularly as resources and opportunities permit.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**LIS 60020 INFORMATION ORGANIZATION 3 Credit Hours**

Introduction to the theory and practice of information organization and retrieval in various information environments. Familiarity with principles, standards, tools and current systems relating to organization of information and retrieval. Exploration of supported information system functions such as searching, browsing, and navigation. Assessment and evaluation of information organization and retrieval systems.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60030 PEOPLE IN THE INFORMATION ECOLOGY 3 Credit Hours**

Takes a user-centered approach in exploring the information needs and behaviors of people (as individuals and in groups, communities, and institutions) in relation to the larger information ecology that surrounds them. Topics covered include an overview of information ecology; the user-centered paradigm; major information needs and information behavior theories, models, and findings; the landscape of information sources and services for users; factors that influence people's information needs and behaviors; and user empowerment, information ethics, information fluency, and related issues.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60040 INFORMATION INSTITUTIONS AND PROFESSIONS 3 Credit Hours**

Examines the political, social, economic, and technical forces that influence the larger environments in which information institutions are situated. This course explores characteristics of the environments in which information professionals may work, including but not limited to academic, school, public, and special libraries, museums, archives, cultural heritage institutions, government organizations, corporations across all industries, and information creators and publishers. The course explores characteristics of the information profession including core values and principles, emerging professions, and understanding possible futures in profession, and explores ideas of organizational behavior in information institutions that operate across the institution as a whole, within groups, and within individuals in the organization.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60050 RESEARCH AND ASSESSMENT IN LIBRARY AND INFORMATION SCIENCE 3 Credit Hours**

Focuses on quantitative and qualitative research methods applicable to information settings and environments. Explores research design, data analysis, proposal development, and ethical issues.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60099 MASTER'S PORTFOLIO IN LIBRARY AND INFORMATION SCIENCE 1 Credit Hour**

Completed in a student's last semester. It will include the creation of an electronic portfolio to represent and self-evaluate the student's experience throughout the MLIS program, considering program learning outcomes and preparation for a career in the field of library and information science.

**Prerequisite:** LIS 60030; and LIS 60020 or LIS 60624; and LIS 60040 or LIS 60607; and graduate standing.

**Pre/corequisite:** 27 credit hours of graduate coursework.

**Schedule Type:** Lecture, Project or Capstone

**Contact Hours:** 1 lecture

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**LIS 60199 THESIS I 2-6 Credit Hours**

Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester, distributed over several semesters if desired.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 6-18 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**LIS 60299 THESIS II 2 Credit Hours**

(Repeatable for credit) Thesis students must continue registration each semester until all degree requirements are met.

**Prerequisite:** LIS 60199; and graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**LIS 60401 LEADERSHIP IN LIBRARIES AND INFORMATION CENTERS 3 Credit Hours**

This course will review the concept of leadership while delving into its relationship to and differences from management, and its application in the personal and professional lives of information professionals. Beginning with an examination of personal leadership styles, the course will review the major philosophies of leadership thought that affect the library and information fields, the role of mentors, team building, project management, the moral and ethical responsibilities of leading others and leading through change in the information world.

**Prerequisite:** LIS 60040; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60510 DIGITAL TECHNOLOGIES I: DATA FUNDAMENTALS 1 Credit Hour**

The first of three one-credit courses in digital technologies, this course presents foundational knowledge on the principles that underlie digital resources and services in modern information society, with specific emphasis on data representation, encoding, formatting, and data modeling.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**LIS 60511 DIGITAL TECHNOLOGIES II: INTERNET FUNDAMENTALS 1 Credit Hour**

The second of three one-credit courses in digital technologies, this course presents foundational knowledge on the principles that underlie digital resources and services in modern information society, with specific emphasis on online information systems, the Internet, and data security.

**Prerequisite:** Graduate standing.

**Pre/corequisite:** LIS 60510.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**LIS 60512 DIGITAL TECHNOLOGIES III: INFORMATION SYSTEMS FUNDAMENTALS 1 Credit Hour**

The third of three one-credit courses in digital technologies, this course presents foundational knowledge on the principles that underlie digital resources and services in modern information society, with specific emphasis on Web-based information applications, programming logic, Linked Data, and the interpretation of data.

**Prerequisite:** Graduate standing.

**Pre/corequisite:** LIS 60511.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**LIS 60513 ARTIFICIAL INTELLIGENCE, SOCIETY AND ETHICS 3 Credit Hours**

This course examines the ethical and societal implications of advances in artificial intelligence (AI). This course introduces cutting-edge research on topics such as human-AI interactions, fairness and bias, transparency and explainability, machine and natural language AI systems (including large language models (LLMs)), and ethical guidelines and frameworks for responsible AI design and application. In the context of real-world applications, students will critically analyze existing AI systems to cultivate the analytical skills necessary for applying AI technologies in ways that are ethical, human-centered and socially and environmentally responsible.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60601 INFORMATION SOURCES AND REFERENCE SERVICES 3 Credit Hours**

Introduction to use and evaluation of basic sources of reference information, in-house and online; reference interview and question-negotiation techniques; administration of reference and information services.

**Prerequisite:** LIS 60030; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60602 RESOURCE DESCRIPTION AND ACCESS 3 Credit Hours**

Theoretical foundation, principles, core concepts, and practical application of current standards and conceptual models for the description (descriptive cataloging) of a variety of resources in information institutions. Topics include history and principles of descriptive cataloging standards, best practices documentation, resource discovery, authority work, encoding standards and structures, linked data, ethical issues, as well as current topics in resource description and access, such as emerging technologies and future directions.

**Prerequisite:** LIS 60020; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60603 SUBJECT ANALYSIS, REPRESENTATION AND ACCESS 3 Credit Hours**

(Slashed with LIS 80603) The course focuses on the theories, principles, and practices of subject analysis of the intellectual content of information resources and its representation through controlled vocabularies and classification. It covers fundamental concepts of aboutness, vocabulary control, classification theory, ethical considerations, and the theoretical foundations, structure, and the application of major subject vocabularies (LCSH), classification schemes (DDC and LCC), and other knowledge organization systems, including genre/form and named entity management. The course also includes examinations of authority control for subject headings.

**Prerequisite:** LIS 60020; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60607 SCHOOL LIBRARY MANAGEMENT 3 Credit Hours**

School Library Management focuses on theoretical and practical aspects of school library management. This course provides a foundation for the completion of a successful culminating experience practicum and licensure exam for School Library Media licensure K-12. The course content delivery, exploration activities and completion of assignments have been aligned with state of Ohio and the American Association of School Librarians national school library media standards and guidelines. This course includes 10 hours of practical experience.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60608 THE PUBLIC LIBRARY 3 Credit Hours**

Analysis of the historical, sociopolitical, technological, fiscal and organizational factors affecting American public librarianship. Includes evaluation, planning, networking, funding, automation, buildings and censorship.

**Prerequisite:** LIS 60040; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60609 MARKETING THE LIBRARY 3 Credit Hours**

Introduction to the theory and practice of marketing the library. Topics include the evaluation of customer needs, the marketing mix, merchandising, public relations, relationship marketing, and the design and development of a marketing plan for libraries.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60612 LIBRARY MATERIALS AND SERVICES FOR ADULTS 3 Credit Hours**

Recent investigations of group and individual reading habits; advisory services in various types of libraries; library programs for adult education; projection of library materials toward community.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60613 INFORMATION NEEDS, SEEKING AND USE 3 Credit Hours**

(Slashed with LIS 80613) Surveys theories and research related to people's interactions with information. The theories covered include information context and situation, information needs, information seeking, exploration of information sources, communication and collaboration in the information search process, information use, and other interactions among people, information, and information systems.

**Prerequisite:** LIS 60030; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60614 COLLECTION MANAGEMENT IN LIBRARIES 3 Credit Hours**

Principles of collection development and management for public, academic, school and special libraries, including maintenance (weeding and analysis), needs assessment, acquisitions, e-resources, licensing, and preservation.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60615 THE ACADEMIC LIBRARY 3 Credit Hours**

Governance, administration and services of libraries in institutions of postsecondary education.

**Prerequisite:** LIS 60040; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60616 THE SPECIAL LIBRARY 3 Credit Hours**

The formation of special libraries. Libraries in special subject fields and in organizations: corporations, government agencies, hospitals, etc. Internal organization and administration collection development and services.

**Prerequisite:** LIS 60040; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60617 INFORMATION LITERACY FOR YOUTH 3 Credit Hours**

This course is intended to guide graduate students in creating and providing information literacy instruction for youth in school and public libraries. This course includes 10 hours of practical experience.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60618 INFORMATION LITERACY INITIATIVES AND INSTRUCTION 3 Credit Hours**

Information literacy is an essential competency needed to navigate an information society. This course explores how to create and deliver effective information literacy instruction to post-secondary students and adult populations. Topics include a comparison of information literacy standards and frameworks; learning theories focused on adult learning; planning, creating, delivering, and assessing IL instruction activities; and developing and managing IL instruction in collaboration with key stakeholders.

**Prerequisite:** LIS 60030; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60620 HEALTH INFORMATION RESOURCES 3 Credit Hours**

Identifies print and electronic sources of health information with emphasis on electronic sources. Medical patient and consumer health information is presented. This course is designed for the health educator, librarian, nurse or other health care professional.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60624 CATALOGING FOR SCHOOL LIBRARIES 3 Credit Hours**

Organization and administration of print and non-print materials in school libraries. Application of appropriate descriptive cataloging rules, subject headings and classification policies for children's, teen and educational materials K-12.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60625 ENGAGING YOUNG CHILDREN AND FAMILIES 3 Credit Hours**

Selection and utilization of materials in relation to needs, abilities and interests of the young child.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60626 ENGAGING TEENS 3 Credit Hours**

Selection and utilization of books and materials in relation to needs, abilities and interests of teens.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60627 ART AND STORY: THE STUDY OF CHILDREN'S PICTUREBOOKS 3 Credit Hours**

(Slashed with LIS 80627) This course engages students in the study and application of art and story in children's picturebooks through the lenses of book history, publishing studies, children's book illustration and storytelling, visual literacy and visual storytelling. Picture book readers are also studied, from professional readers, like librarians and book reviewers, to picturebook consumers.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60629 ENGAGING SCHOOL-AGE CHILDREN 3 Credit Hours**

Selection and utilization of materials in relation to needs, abilities and interests of school age children.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60630 REFERENCE SOURCES AND SERVICES FOR YOUTH 3 Credit Hours**

Organization and administration of information sources and information services for children and young adults (K-12). Evaluation selection and utilization of print and electronic sources.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60631 INTRODUCTION TO DIGITAL PRESERVATION 3 Credit Hours**

(Slashed with LIS 80631) Approaches and standards for preserving and maintaining access to digitized and born-digital text, images, data, audiovisual information, and web resources. Topics include longevity of digital media, selection for preservation; formats and strategies for preservation; preservation metadata; integrity and authenticity of digital materials; establishment and certification of trustworthy digital repositories; risk management; and policy development.

**Prerequisite:** LIS 60020; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60633 DIGITAL CURATION 3 Credit Hours**

(Slashed with LIS 80633) Management and preservation of digital objects and records throughout their lifecycle. Essential technologies and standards for building and maintaining robust, trusted digital repositories. Emphasizes the use and reuse of scholarly data, business and government records, cultural heritage materials, and other digital objects to create resources supporting communities of practice in their work.

**Prerequisite:** LIS 60020; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60635 CULTURAL HERITAGE INFORMATICS 3 Credit Hours**

(Slashed with LIS 80635) Cultural heritage informatics brings a comprehensive, cross-disciplinary approach to supporting the entire lifecycle of cultural heritage information and documentation procedures for the benefit of the preservation, study, and promotion of cultural heritage. The course covers methods of creating descriptions for cultural objects, as well as organizing, delivering, and presenting the cultural heritage (tangible, intangible, and digital) resources in the digital age. The course aims to prepare students for careers focusing on or transcending libraries, archives, museums (LAMs), historical societies, and other cultural institutions by introducing them the methodologies and technologies commonly used in cultural heritage informatics and can be broadly implemented in LAMs.

**Prerequisite:** LIS 60020; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60636 KNOWLEDGE ORGANIZATION STRUCTURES, SYSTEMS AND SERVICES 3 Credit Hours**

(Slashed with LIS 80636) Introduction to various types of knowledge organization structures, services, and systems (KOS) used in the networked environment. Understanding of the functional philosophical, logical and linguistic fundamentals of KOS. Explanation of design options, features of KOS, and procedures to be used in the taxonomy, thesaurus and ontology construction. Analysis and evaluation of KOS. Issues related to online display, visualization, interoperability and internationalization.

**Prerequisite:** LIS 60020; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60637 METADATA ARCHITECTURE AND IMPLEMENTATION 3 Credit Hours**

(Slashed with LIS 80637) Principles and theories of metadata development in the digital environment. Main focus is given to the design and applications of metadata schemas for distinct domains and information communities, issues in metadata interoperability, vocabulary control, quality control and evaluation. Examination of international standards, activities and projects with the use of case study approach.

**Prerequisite:** LIS 60020; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60649 INDEXING AND ABSTRACTING 3 Credit Hours**

(Slashed with LIS 80649) Principles and methods of manual and computerized indexing and abstracting applied to I & A databases, back of book indexes website indexes and sitemaps. Techniques of constructing indexing languages using international standards. Theory and practice of index design for specific formats and subjects. Automation and I & A services in networked environments.

**Prerequisite:** LIS 60020; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60650 INFORMATION POLICY 3 Credit Hours**

Political, economic, cultural and legal issues regarding the production, distribution and use of information (print, electronic and Web). Policy-making process, standards and protocols, intellectual property, information economy, impact of computers on access and policy, privacy rights, transnational flow of information and the Internet and the World Wide Web.

**Prerequisite:** LIS 60040; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60651 DIGITAL IMAGE PROCESSING AND COLLECTION MANAGEMENT 3 Credit Hours**

This course is designed to introduce students to the fundamental concepts, terminology, techniques and applications of digital imaging as they relate to the development of digital image collections depicting works found in museum collections, archives and special collections in libraries. The students will acquire knowledge and skills necessary to design, create, and manage digital images of text, graphics, slides and reproductions of 3-D objects. They will also be introduced to the principles and issues that pertain to the creation and distribution of digital image archives via image databases and the Web environment.

**Prerequisite:** LIS 60020; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60652 FOUNDATIONS OF RECORDKEEPING IN SOCIETY 3 Credit Hours**

An introduction to the core principles and practices of recordkeeping and the multiple and complex roles records and archives play in identity, evidence, transparency, memory, accountability, equity, representation and trust in society. This course covers historical and contemporary recordkeeping contexts related to individuals, family, community, organization, corporate, academia and government, as well as traditional, nontextual and digital formats of records and archives.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60654 PRESERVATION AND CONSERVATION OF HERITAGE MATERIALS 3 Credit Hours**

Types and causes of deterioration of various kinds of library, archival, and museum collections; storage and preventive care, preservation through photographic reproduction and digital conversion, and conservation of rare materials.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60655 COPYRIGHT: UNDERSTANDING USER RIGHTS AND RESPONSIBILITIES 3 Credit Hours**

Exploration of advanced copyright topics such as mass digitization, creative arts and other issues in fair use, library, archive and educational uses including the TEACH Act, digital first sale rights, Digital Millennium Copyright Act, and an introduction to copyright reform.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60657 THEORY AND METHODS OF ARCHIVAL ACQUISITION, SELECTION AND APPRAISAL 3 Credit Hours**

(Slashed with LIS 80657) This course provides a comprehensive introduction to the theory, methods and traditions employed by records professionals to form and shape archives as societal memory. This course focusses primarily on acquisition, selection, documentation and appraisal theory and methods. Students will also examine contemporary records frameworks and approaches and issues faced by archivists, special collections librarians and manuscript curators employed to identify, evaluate, acquire and dispose of records.

**Prerequisite:** LIS 60652; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60658 THEORY AND PRACTICE OF ARCHIVAL DESCRIPTION 3 Credit Hours**

This course will introduce students to the theory and practice of archival description, including 1) principles of provenance and original order, 2) hierarchical arrangement and description; 3) standards central to archival description including Describing Archives: A Content Standard (DACS), Machine Readable Cataloging (MARC), and Encoded Archival Description (EAD); 4) archival authority work, including Encoded Archival Context (EAC); and 5) subject access for archival materials. Other related topics to be addressed include approaches to description of born-digital archival records, management of description programs, design of information systems for archival description, project management and cost analyses, and community-driven archival description such as tagging and reparative description.

**Prerequisite:** LIS 60020; and graduate standing.

**Pre/corequisite:** LIS 60652.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60659 INTRODUCTION TO AUDIOVISUAL ARCHIVING 1 Credit Hour**

Introduction to the issues and challenges of preserving and providing access to archival moving image and sound material. Topics include basics of media care and handling; methods and approaches to preservation and digitization; and appraisal, description and access methods.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**LIS 60665 RARE BOOKS AND SPECIAL COLLECTIONS 3 Credit Hours**

Study of the theory and practice of rare books and special collections librarianship. Topics to be addressed include identification and description of collections, history of the book, valuation, collection development, preservation, security, access and discovery, promotion and outreach, and administration of collections and resources.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60668 INTERNATIONAL LIBRARIANSHIP AND INFORMATION SERVICES 3 Credit Hours**

Main theoretical traditions, concepts, and in-depth understanding of international librarianship (library communication on international issues) and comparative librarianship (comparative study of information services in specific contexts) through the study of international cooperation, influences, development aid, international organizations and associations, differences, major issues facing library and information services within their socio-economic, political, and cultural contexts, and innovations to solve these issues across the world.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60669 INFORMATION SERVICES FOR DIVERSE POPULATIONS 3 Credit Hours**

Explores services for diverse populations to ensure equity of access to information in a range of LIS institutional settings. Special interests or needs include sensory or mobility-impairment; learning disabilities; illiteracy; incarceration and institutionalization; demographic factors (age, race, ethnicity, socio-economic status, sexual orientation, gender identity); non-native English speakers; and homeless persons. Covers Federal regulations, materials, spaces, programs and services, professional attitudes, techniques, and technology issues.

**Prerequisite:** LIS 60030; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60671 INTRODUCTION TO CATALOGING PRINCIPLES AND PRACTICES IN MEDICAL LIBRARIES 1 Credit Hour**

This course is designed to provide students with cataloging knowledge in the area of medical librarianship. Students will learn how to apply subject analysis principles to evaluate medical resources and assign medical subject headings. This course is one course in a three, one-credit hour sequence of medical librarianship courses.

**Prerequisite:** LIS 60020; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**LIS 60672 REFERENCE SOURCES AND SERVICES IN MEDICAL LIBRARIES 1 Credit Hour**

This course is intended to introduce specialized reference services and sources found in medical library settings.

**Prerequisite:** LIS 60030; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**LIS 60673 MEDICAL LIBRARY MANAGEMENT AND CULTURE 1 Credit Hour**

This course introduces the environment and context of a medical library to students. The course starts with the context of the medical environment and moves to medical libraries, medical librarianship and related management issues specific to medical library environments. The course reviews typical work scenarios and requests for medical librarians.

**Prerequisite:** LIS 60040; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**LIS 60675 YOUTH MEDIA CULTURES 3 Credit Hours**

Emerging and evolving digital formats extend book-related content for young people aged 0-18 across media platforms and provide young audiences with interactive ways of engaging with stories. However, the proliferation of new media formats and related social media platforms means there are just as many questions related to their selection, evaluation and use. This course aims to answer those questions and to critically examine digital formats and related implications for stakeholders – including librarians, publishers, authors, illustrators and consumers – in the field of content produced for young people, from apps to books to video games.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60676 TEACHING STRATEGIES AND METHODS IN SCHOOL LIBRARIES 3 Credit Hours**

Principles of teaching students including curriculum, planning instruction, assessment, fundamentals of evaluation, and reflective practice.

All course content focuses on preparing teachers to instruct in the school library media center and obtain a multiage licensure in K-12 School Library Media. This course will include 65 hours of supervised experiential learning that are integrated with academic instruction and related to the student's occupational goal as a school librarian. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching internship will take place.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60677 SEXUAL AND GENDER IDENTITY IN CHILDREN'S AND TEEN LITERATURE 1 Credit Hour**

This course focuses on both theoretical and practical aspects of providing and managing LGBTQAI+ literature and services to youth in the context of public and school libraries.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**LIS 60678 ENGAGING CHILDREN AND TEENS WITH LATINE LITERATURE 1 Credit Hour**

This course is intended to introduce literature written by Latine authors and for Latine youth to be selected for use by informational professionals in information institutions.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**LIS 60679 TRAUMA INFORMED SOURCES AND SERVICES IN INFORMATION SETTINGS 1 Credit Hour**

Introduces students to the key principles of trauma informed service and how these principles can be applied to the provision of resources and services in information settings. Trauma informed services is focused on understanding how to engage, support and respond to individuals who have been impacted by trauma. Highlights how trauma informed information professionals can implement programming, design facilities and services, initiate outreach and equip information professionals to better serve their communities.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**LIS 60691 SEMINAR IN INFORMATION STUDIES 1-3 Credit Hours**

(Repeatable for credit) (Slashed with LIS 80691) Advanced research by small groups of students who are qualified to examine problems of certain special areas in information studies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

**LIS 60692 INTERNSHIP IN INFORMATION AND CULTURAL HERITAGE INSTITUTIONS 2-3 Credit Hours**

(Repeatable for credit) Supervised experience of a professional nature of not less than 100 clock hours for 2 credit hours or not less than 150 clock hours for 3 credit hours in an information or cultural heritage institution. Deliverables determined with instructor of record. Maximum registration of 2-3 credit hours per semester. No more than a total of 6 credit hours of Internship or Individual Investigation or any combination of the two may count toward MLIS degree requirements.

**Prerequisite:** LIS 60040; and graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 6-9 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**LIS 60700 FOUNDATIONS OF MUSEUM STUDIES 3 Credit Hours**

Intended for those interested in learning more about museums or specializing in museum studies. The goal is to introduce students to various aspects of all types of museums as dynamic networked systems positioned around objects, people and ideas. Covers history and types of museums, the roles of objects and ideas, structure, function, museum workers and users, and the purpose and future of museums.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60701 MUSEUM COLLECTIONS 3 Credit Hours**

This course introduces students to the organization, care and meaning of objects held in museum collections. Through both theoretical and practical concepts, basic collection management and registration skills are introduced. In conjunction, students explore the meanings made of museum objects.

**Prerequisite:** LIS 60700; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60702 MUSEUM COMMUNICATION 3 Credit Hours**

Museums communicate to the public in a multitude of ways: interpretation, exhibition, publication, educational programming and using a web presence. This course introduces important concepts, theories, applications, processes and technology used in museum interpretation and communication. Students are provided with a balance of practical techniques with thoughtful conceptual exploration.

**Prerequisite:** Graduate standing.

**Pre/corequisite:** LIS 60700.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60703 MUSEUM USERS 3 Credit Hours**

Families, individuals and students visit museums and community institutions for a variety of purposes including leisure, education and curiosity. This course introduces students to the research and theory on museum user experience using a contextual approach to understanding museum users via the personal, socio-cultural and physical. This inquiry will involve examining notions of learning, engagement, and transformative experiences of users, characteristics of users, and the social dynamics of the museum experience. In addition, this course will review several programmatic techniques and methods used in museums to increase engagement and learning for visitors and take the student through all aspects of a museum visit, from beginning to end.

**Prerequisite:** Graduate standing.

**Pre/corequisite:** LIS 60700.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 60792 CULMINATING EXPERIENCE PRACTICUM IN K-12 LIBRARIES 3 Credit Hours**

Under the advisement of a faculty member, students complete a professional-level practicum that serves as a culminating experience for the M.L.I.S. degree.

**Prerequisite:** LIS 60607 or LIS 60040; and LIS 60624 or LIS 60020; and LIS 60617 and LIS 60626 and LIS 60629 and LIS 60630; and graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter-IP

**LIS 60892 CULMINATING EXPERIENCE FOR DUAL DEGREE 6 Credit Hours**

Culminating experience for students pursuing dual degree in M.Ed. and M.L.I.S. and K-12 School Library Media licensure. Must be in a supervised educational library or information center.

**Prerequisite:** ADED 62145 and CI 67310 and CI 67330 and EPSY 65524 and LIS 60030 and LIS 60617 and LIS 60630 and SPED 53050; and LIS 60607 or LIS 60040; and LIS 60020 or LIS 60624; and graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 18 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**LIS 61095 SPECIAL TOPICS IN INFORMATION STUDIES 1-3 Credit Hours**

(Repeatable for credit) (Slashed with LIS 81095) Offered irregularly as resources and/or opportunities permit. Topics could include current or emerging issues in information studies. Specific topics are announced in the schedule of classes.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**LIS 61096 INDIVIDUAL INVESTIGATION 1-3 Credit Hours**

(Repeatable for credit) Research or individual investigation in areas not covered by the existing curriculum for master's level graduate students. Deliverables determined with instructor of record. Maximum registration of 1-3 credit hours per semester. Students may count a maximum of 6 credit hours of individual investigation toward their MLIS degree requirements. No more than a total of 6 credit hours of Internship or Individual Investigation or any combination of the two may count toward MLIS degree requirements.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter-IP

**LIS 80603 SUBJECT ANALYSIS, REPRESENTATION AND ACCESS 3 Credit Hours**

(Slashed with LIS 60603) The course focuses on the theories, principles, and practices of subject analysis of the intellectual content of information resources and its representation through controlled vocabularies and classification. It covers fundamental concepts of aboutness, vocabulary control, classification theory, ethical considerations, and the theoretical foundations, structure, and the application of major subject vocabularies (such as LCSH), classification schemes (such as Dewey), and other knowledge organization systems, including genre/form and named entity management. The course also includes examinations of authority control for subject headings.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 80613 INFORMATION NEEDS, SEEKING AND USE 3 Credit Hours**

(Slashed with LIS 60613) Surveys theories and research related to people's interactions with information. The theories covered include information context and situation, information needs, information seeking, exploration of information sources, communication and collaboration in the information search process, information use, and other interactions among people, information, and information systems.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 80627 ART AND STORY: THE STUDY OF CHILDREN'S PICTUREBOOKS 3 Credit Hours**

(Slashed with LIS 60627) This course engages students in the study and application of art and story in children's picturebooks through the lenses of book history, publishing studies, children's book illustration, and storytelling, visual literacy and visual storytelling. Picture book readers are also studied, from professional readers, like librarians and book reviewers, to picturebook consumers.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 80631 INTRODUCTION TO DIGITAL PRESERVATION 3 Credit Hours**

(Slashed with LIS 60631) Approaches and standards for preserving and maintaining access to digitized and born-digital text, images, data, audiovisual information, and web resources. Topics include longevity of digital media, selection for preservation; formats and strategies for preservation; preservation metadata; integrity and authenticity of digital materials; establishment and certification of trustworthy digital repositories; risk management; and policy development.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 80633 DIGITAL CURATION 3 Credit Hours**

(Slashed with LIS 60633) Management and preservation of digital objects and records throughout their lifecycle. Essential technologies and standards for building and maintaining robust, trusted digital repositories. Emphasizes the use and reuse of scholarly data, business and government records, cultural heritage materials, and other digital objects to create resources supporting communities of practice in their work.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 80635 CULTURAL HERITAGE INFORMATICS 3 Credit Hours**

(Slashed with LIS 60635) Cultural heritage informatics brings a comprehensive, cross-disciplinary approach to supporting the entire lifecycle of cultural heritage information and documentation procedures for the benefit of the preservation, study, and promotion of cultural heritage. The course covers methods of creating descriptions for cultural objects, as well as organizing, delivering, and presenting the cultural heritage (tangible, intangible, and digital) resources in the digital age. The course aims to prepare students for careers focusing on or transcending libraries, archives, museums (LAMs), historical societies, and other cultural institutions by introducing them to the methodologies and technologies commonly used in cultural heritage informatics and can be broadly implemented in LAMs.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 80636 KNOWLEDGE ORGANIZATION STRUCTURES, SYSTEMS AND SERVICES 3 Credit Hours**

(Slashed with LIS 60636) Introduction to various types of knowledge organization structures, services and systems (KOS) used in the networked environment. Understanding of the functional philosophical, logical and linguistic fundamentals of KOS. Explanation of design options, features of KOS, and procedures to be used in the taxonomy, thesaurus and ontology construction. Analysis and evaluation of KOS. Issues related to online display, visualization, interoperability and internationalization.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 80637 METADATA ARCHITECTURE AND IMPLEMENTATION 3 Credit Hours**

(Slashed with LIS 60637) Principles and theories of metadata development in the digital environment. Main focus is given to the design and applications of metadata schemas for distinct domains and information communities, issues in metadata interoperability, vocabulary control, quality control and evaluation. Examination of international standards, activities and projects with the use of case study approach.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 80649 INDEXING AND ABSTRACTING 3 Credit Hours**

(Slashed with LIS 60649) Principles and methods of manual and computerized indexing and abstracting applied to I&A databases, back-of-book indexes, Web site indexes and sitemaps. Techniques of constructing indexing languages using international standards. Theory and practice of index design for specific formats and subjects. Automation and I&A services in networked environments.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 80652 FOUNDATIONS OF RECORDKEEPING IN SOCIETY 3 Credit Hours**

(Slashed with LIS 60652) An introduction to the core principles and practices of recordkeeping and the multiple and complex roles records and archives play in identity, evidence, transparency, memory, accountability, equity, representation and trust in society. This course covers historical and contemporary recordkeeping contexts related to individuals, family, community, organization, corporate, academia and government, as well as traditional, nontextual and digital formats of records and archives.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 80657 THEORY AND METHODS OF ARCHIVAL ACQUISITION, SELECTION AND APPRAISAL 3 Credit Hours**

(Slashed with LIS 60657) This course provides a comprehensive introduction to the theory, methods and traditions employed by records professionals to form and shape archives as societal memory. This course focuses primarily on acquisition, selection, documentation and appraisal theory and methods. Students will also examine contemporary records frameworks and approaches and issues faced by archivists, special collections librarians and manuscript curators employed to identify, evaluate, acquire and dispose of records.

**Prerequisite:** LIS 80652; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 80668 INTERNATIONAL LIBRARIANSHIP AND INFORMATION SERVICES 3 Credit Hours**

(Slashed with LIS 60668) Main theoretical traditions, concepts, and in-depth understanding of international librarianship (library communication on international issues) and comparative librarianship (comparative study of information services in specific contexts) through the study of international cooperation, influences, development aid, international organizations and associations, differences, major issues facing library and information services within their socio-economic, political, and cultural contexts, and innovations to solve these issues across the world.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**LIS 80691 SEMINAR IN INFORMATION STUDIES 1-3 Credit Hours**

(Slashed with LIS 60691) Advanced research by small groups of students who are qualified to examine problems of certain special areas in information studies.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**LIS 81095 SPECIAL TOPICS IN INFORMATION STUDIES 1-3 Credit Hours**

(Repeatable for credit) (Slashed with LIS 61095) Offered irregularly as resources and or opportunities permit. Topics could include current or emerging issues in information studies. Specific topics are announced in the schedule of classes.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**LIS 81096 INDIVIDUAL INVESTIGATION 1-3 Credit Hours**

(Repeatable for credit) Research or individual investigation in areas not covered by the existing curriculum for doctoral level students. Deliverables determined with instructor of record.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter-IP

## Park Management (PARK)

**PARK 21916 INTRODUCTION TO PARKS AND PROTECTED AREA MANAGEMENT 3 Credit Hours**

Introduction to parks and protected area management including historical and cultural influences, the benefits of parks and outdoor recreation, identification of park and protected area management agencies such as the National Park Service, philosophical perspectives on natural resource conservation versus preservation and current trends affecting the field.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PARK 21941 OUTDOOR ADVENTURE LEADERSHIP 3 Credit Hours**

Leadership concepts, principles, methods and techniques necessary for facilitating beneficial outdoor activities for all populations.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PARK 36082 INTERPRETATION OF NATURAL AND CULTURAL RESOURCES 3 Credit Hours**

Interpretation is the art of creating intellectual and emotional bonds between people and natural and cultural resources. Interpretation is commonly practiced in parks and other protected areas, zoos, museums and a variety of tourist attractions. This course provides students with the philosophies, concepts and practical techniques necessary to plan and present effective interpretation of natural and cultural resources.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PARK 36083 ENVIRONMENTAL EDUCATION AND CONSERVATION 3 Credit Hours**

Environmental education helps people better understand the natural world and to develop attitudes and behaviors conducive to environmental conservation. Teaches students the foundations, principles and techniques of environmental education thus enabling students to prepare and present effective environmental education programs.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PARK 41916 PARK PLANNING AND MANAGEMENT 3 Credit Hours**

(Slashed with PARK 51916) The planning and management of parks and other protected natural areas in order to maximize the benefits to visitors and neighboring human communities while protecting the resources which make the parks unique.

**Prerequisite:** PARK 21916.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PARK 51916 PARK PLANNING AND MANAGEMENT 3 Credit Hours**  
(Slashed with PARK 41916) The planning and management of parks and other protected natural areas in order to maximize the benefits to visitors and neighboring human communities while protecting the resources which make the parks unique.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## User Experience (UX)

**UX 60501 INTRODUCTION TO USER EXPERIENCE 3 Credit Hours**

This course provides a comprehensive overview of User Experience (UX) from various perspectives, including the origins of UX as a professional discipline, the goals and values of UX within organizations, elements of UX practice and the agile development environment. It further introduces roles and contributions of specialization areas within UX, as well as the principles of user experience design. The introduction of Information Architecture includes hands-on practice. Students will develop and document their professional development goals.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**UX 60502 USER EXPERIENCE PROCESSES AND PRACTICE 3 Credit Hours**

Students engage in a structured walkthrough of the major goals, responsibilities, and elements of User Experience (UX) in an agile environment. This course introduces important models of iterative design processes and the professional practices of research, design, prototyping, testing and team communication. Students will explore personal goals for specialization in UX.

**Prerequisite:** Graduate standing.

**Pre/corequisite:** UX 60501.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**UX 60503 FUNDAMENTALS OF INTERACTION DESIGN 3 Credit Hours**

This course offers students a comprehensive understanding of interaction design principles and their practical implementation. It covers the concept of prototyping, enabling students to create their own prototypes, and refine them based on peer feedback.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**UX 60504 ACCESSIBILITY AND UNIVERSAL DESIGN 3 Credit Hours**

This course will provide user experience researchers and designers with the skills to evaluate technology accessibility, as well as an understanding of the principles of universal design and how they guide and influence the design of digital experiences

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**UX 60505 ARTIFICIAL INTELLIGENCE LITERACY FOR THE INFORMATION PROFESSIONS 3 Credit Hours**

This course provides an overview of Artificial Intelligence (AI), from foundational concepts like Large Language Models (LLMs) to practical application and governance. You will learn to apply AI in an information professional context to solve problems by developing AI literacy and skills to achieve desired outcomes. The curriculum covers risk assessment, including bias, hallucinations, data transparency and security, vetting information generated by AI tools, alongside integrating AI into workflows while considering the evolving role of human-in-the-loop oversight. Students will analyze ethical considerations, costs, and strategic decisions for deciding in what circumstances, how and with what guidelines to implement AI in organizations, including new opportunities for workforce development across information professions.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**UX 60506 ARTIFICIAL INTELLIGENCE TOOLS IN USER EXPERIENCE 3 Credit Hours**

This course focuses on the rapidly evolving emergence and integration of Artificial Intelligence (AI) tools into user experience design in agile product development environments. This course prepares students for UX careers in AI-enabled environments by providing foundational understanding of the evolving role of AI-enabled tools in the processes and practices of user experience design. Students explore emerging tools in hands-on learning projects, with the goal of understanding how the profession is adopting AI-enabled processes for discovery research, information architecture, interaction design, and evaluation. Students gain an understanding of end-to-end product development in AI-enabled agile environments. Implications for the profession are explored, and students will reflect on the emerging role of AI in their own professional goals and development.

**Prerequisite:** UX 60503; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**UX 60507 THE PSYCHOLOGY OF HUMAN-INFORMATION INTERACTION 3 Credit Hours**

This course examines how human cognitive processes and the design of digital products come together to create useful, meaningful products. Students explore six cognitive domains—perception, attention, memory, learning, decision heuristics and language processing—and their application in interaction design and information architecture. They consider the design implications of user research when examined through a cognitive lens. Through hands-on application of cognitive principles to simple design prototypes, students learn to diagnose design failures, predict user behavior and consider cognition in human-AI partnerships. The course bridges cognitive psychology theory with foundational design principles and practical design decisions, preparing students to create systems that support how people think, learn and decide.

**Prerequisite:** UX 60503; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**UX 60511 INFORMATION ARCHITECTURE FUNDAMENTALS 3 Credit Hours**

Introduction to the fundamental concepts of information architecture (IA) and underlying cognitive processes of concept structure and information categorization. Students develop practical skills for content analysis and the design and evaluation of information architectures. Major topics include organization, navigation, labeling and design for finding.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**UX 60521 DATA-DRIVEN INTERACTION FUNDAMENTALS 3 Credit Hours**

Modern digital products rely on a complex technical and informational infrastructure that affects interaction design and the user experience. This course prepares students for UX careers in data-driven environments by providing a foundational understanding of data, information infrastructure, including content management, information architecture and Artificial Intelligence, in the context of design for data-driven interaction. Implications of data-driven design for user privacy and data security are also discussed. Students will explore the future of user experience shaped by ML and AI and discuss the ethical dimensions of this evolution, including issues of fairness, accountability and transparency and will apply their learning in the design of a data-driven prototype.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**UX 60531 DISCOVERY RESEARCH FUNDAMENTALS 3 Credit Hours**

In order to design a successful user experience, UX professionals seek to discover users' needs, goals and tasks. This course covers discovery research methods such as interviews, surveys, diary studies and other methods applicable to the formative stages of the design process.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**UX 60541 USER EXPERIENCE EVALUATION FUNDAMENTALS 3 Credit Hours**

Evaluating prototypes and products is a critical component of user experience design. This course covers qualitative and quantitative evaluation methods, such as heuristic evaluation, cognitive walkthrough, usability testing, A/B testing and experimental design. Students will learn how to choose evaluation methods, how to conduct them and how to communicate the results of evaluations.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**UX 60691 SEMINAR IN USER EXPERIENCE 1-3 Credit Hours**

(Repeatable for credit) (Slashed with UX 80691) Advanced research by students who are qualified to examine problems of certain special areas in user experience.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

**UX 60693 VARIABLE TITLE WORKSHOP IN USER EXPERIENCE 1-3 Credit Hours**

(Repeatable for credit) Intensive examination of special topics of interest to those involved in user experience.

**Prerequisite:** Graduate standing.

**Schedule Type:** Workshop

**Contact Hours:** 1-3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**UX 60792 ELECTIVE INTERNSHIP IN USER EXPERIENCE 2-3 Credit Hours**

(Repeatable for credit) Supervised work experience in user experience design of a professional nature of not less than 100 clock hours (for 2 credit hours) or 150 clock hours (for 3 credit hours).

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 6.33-10 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**UX 61095 SPECIAL TOPICS IN USER EXPERIENCE 1-3 Credit Hours**

(Repeatable for credit) (Slashed with UX 81095) Offered irregularly as resources and or opportunities permit. Topics could include current or emerging issues in user experience.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**UX 61096 INDIVIDUAL INVESTIGATION IN USER EXPERIENCE 1-3 Credit Hours**

(Repeatable for credit). Individual investigation in areas not covered by the existing curriculum for master's level students.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Standard Letter-IP

**UX 66199 THESIS I 2-6 Credit Hours**

Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 6-18 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**UX 66299 THESIS II 2 Credit Hours**

Thesis students must continue registration each semester until all degree requirements are met.

**Prerequisite:** UX 66199; and graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**UX 80691 SEMINAR IN USER EXPERIENCE 1-3 Credit Hours**

(Repeatable for credit) (Slashed with UX 60691) Advanced research by students who are qualified to examine problems of certain special areas in user experience.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

**UX 81095 SPECIAL TOPICS IN USER EXPERIENCE 1-3 Credit Hours**

(Repeatable for credit) (Slashed with UX 61095) Offered irregularly as resources and or opportunities permit. Topics could include current or emerging issues in user experience.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**UX 81096 INDIVIDUAL INVESTIGATION IN USER EXPERIENCE 1-3 Credit Hours**

(Repeatable for credit). Research or individual investigation in areas not covered by the existing curriculum for doctoral level students. Deliverables determined with instructor of record.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Standard Letter-IP

## User Experience Design (UXD)

**UXD 20001 INTRODUCTION TO USER EXPERIENCE DESIGN 3 Credit Hours**

Students explore the context within which User Experience Design exists and the fundamental research that explains human behavior and how that research informs design decisions. Students are also introduced to the basic design processes and deliverables employed by UXD professionals.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**UXD 40104 USABILITY 3 Credit Hours**

Provides a conceptual and practical overview of the processes and methods of usability testing such as development of test protocols, goals, facilitation, analysis and reporting of results. Actual usability tests are performed, using quantitative and qualitative methods and employing emerging software tools to facilitate data collection and analysis.

**Prerequisite:** UXD 20001.

**Schedule Type:** Laboratory, Lecture, Combined Lecture and Lab

**Contact Hours:** 2 lecture, 2 lab

**Grade Mode:** Standard Letter

**UXD 41095 SPECIAL TOPICS IN USER EXPERIENCE DESIGN 1-3 Credit Hours**

(Repeatable for credit) Topics could include current or emerging issues in user experience design. Topics will be announced in schedule of classes. Offered irregularly as resources and opportunities permit.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**UXD 41096 INDIVIDUAL INVESTIGATION IN USER EXPERIENCE DESIGN 1-3 Credit Hours**

(Repeatable for credit) Research or individual investigation in areas not covered in the existing curriculum for baccalaureate level students at or above the junior level.

**Prerequisite:** Special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Standard Letter-IP