Graduate Council
Minutes
November 17, 2016
3:00PM – 5:00PM
Hurley Administration Board Room #204

Note: Course changes and additions will not take effect until they are listed in the graduate catalog. Items marked with an asterisk (*) must have approval by the Texas Higher Education Coordinating Board before listing in the graduate catalog. Items marked with a plus (+) must be approved by the Department of Education before being listed in the graduate catalog.

I.   **ANNOUNCEMENTS**

II.   **MINUTES**

II-1. Approval of October 20, 2016 minutes.

- **UNANIMOUSLY APPROVED**

III.   **CHAIR / TGS DISCUSSION ITEMS**

III-1. There will be a December 15th meeting for late items that need to be in the 2017-18 catalog. If voting members cannot be present, please inform Dr. Vosvick with a proxy name of the representative stepping in.

III-2. We are hardening the deadline for all agenda items to be submitted. Agenda items will be due the last Thursday of every month. If there needs to be an exception, justification can be discussed and voted on.

IV.   **REQUEST FOR NEW COURSES**

College of Information

Department of Linguistics

- **UNANIMOUSLY APPROVED**

IV-1. LING 5990 – Professional Development for Linguists

> **Description:** Provides training in the skills needed to succeed as professional linguist including disseminating research at conferences, writing grant proposals, job application, and scholarly writing.
> Justification: This course will prepare students to join the work force a professional linguist. It will hone skills in professional writing and presentation (abstract, research paper, poster presentation, grant proposal) networking, and creation of a job and PhD application portfolio.

V.   **REQUEST FOR ADD OR DELETE OF A DEGREE/MAJOR/PROFESSIONAL FIELD/CONCENTRATION/OPTION/MINOR/CERTIFICATE**

College of Information

Department of Library and Information Sciences

- **MOTION TO APPROVE ITEMS V-1 AND V-2 A BLOCK – APPROVED**
- **UNANIMOUSLY APPROVED AS A BLOCK**

V-1. Delete Master of Science in Analytics and Knowledge Management degree.

> **Justification:** This degree will be replaced by a new major of Master of Science in Data Science and Advance Analytics, which recognizes the need for specialization within the information Science profession of content

expertise in the management, preservation, curation and use of data-information-knowledge spaces throughout their lifecycle.

V-2. Add Master of Science in Data Science and Advanced Analytics degree. (*) – **VPAA-182 submitted.**

> **Justification:** This degree recognizes the need for specialization within the information Science profession of content expertise in the management, preservation, curation and use of data-information-knowledge spaces throughout their lifecycle.

Frank W. and Sue Mayborn School of Journalism

- **UNANIMOUSLY APPROVED**

V-3. Add Master of Science in Digital Communications Analytics (*) – **VPAA-182 submitted.**

> **Justification:** Public relations and advertising as professions are in the midst of drastic transformation and movement toward quantification. The industry of public relations has seen an exponential growth of social media platforms and communications, whose metrics have been a hot topic for many years. Data-driven science is becoming more mainstream, despite the public relations and advertising industries' strong demand for more numerically savvy communications professionals, college graduates from traditional journalism and (mass) communications programs are ill-prepared for the challenge. The proposed program will take a guided, transdisciplinary approach to acclimating current professionals to the growing demands of a data-driven market. Current programs have been analyzed, the degree will connect industry and existing programs to create new career pathways in fields related to journalism, advertising, public relations and marketing. The Bureau of Labor Statistics has predicted that the market for market research analysts will grow by 19% or more than 92,000 jobs, the need for advertising, promotion and marketing managers will grow 9% or 19,700 jobs that same decade. Impact is expected to provide students more flexibility and draw additional students from the region and state, especially growing traffic concerns in North Texas. This program also will diversify offerings of the Mayborn Graduate Institute, in terms of enrollment, reach, and reputation. This program will prepare students for the continuous growth of data driven information management and data analytics, thus better preparing them for this evolving workforce. It will also aid in meeting the four bold goals outlined by the THECB (2015), by providing students with identified marketable skills. Graduates of the program will be expected to qualify for a variety of jobs including media/marketing analyst, market research analyst, brand development analyst and digital media strategist.

Toulouse Graduate School

Center for Interdisciplinary Studies

Changed the word 'major' to 'concentration' from previous agenda for items V-4. and V-5.

- **UNANIMOUSLY APPROVED**

V-4. Add Applied Data Science **concentration** to the Interdisciplinary Studies Master of Science degree.

> **Justification:** The applied data science concentration will allow students to apply data science concepts and techniques to specific fields of study. This concentration utilizes existing and approved courses as part of an interdisciplinary degree concentration option, and addresses recommendations from the external academic program review for common courses for interdisciplinary students. The applied data science core consists of 15 credit hours, including a capstone course that serves to integrate each of the fields of study.
> The concentration structure provides students with a greater degree of flexibility in order to respond to the rapidly evolving field of data science. Concentration specific curriculum includes competencies in data analytics, database management, data security, and content knowledge.

- **TABLED FOR DECEMBER**

V-5. Add Health Data Analytics **concentration** to the Interdisciplinary Studies Master of Science degree.

*Indicates THECB approval required

Justification: The proposed interdisciplinary MS with a concentration in Health Data Analytics will meet growing needs in the health care industry and in the regulatory and research arenas for skills in data extraction, focused reporting, data modeling, and data analysis through the concentration courses in data analytics. The core courses in healthcare administration will provide the topical expertise on the issues and demands facing health care leaders in this age of health care reform and evidence based medicine.

VI.   **REQUEST FOR GRADUATE ACADEMIC CERTIFICATES**

VII.   **REQUEST FOR GRADUATE TRACK PATHWAYS**

VIII.   **REQUEST FOR CHANGE IN PROGRAM/ MAJOR/ DEGREE/ OPTION REQUIREMENTS**

IX.   **REQUEST FOR DUAL OR JOINT DEGREE PROGRAMS**

X.   **CONSENT CALENDAR**

  A. Course Changes

- **MOTION TO APPROVE ITEMS AS A BLOCK BY DEPARTMENT FOR THE AGENDA AND ADDENDUM– APPROVED**

- **ITEMS X-1 THRU X-16 UNANIMOUSLY APPROVED AS A BLOCK**

<u>**College of Information**</u>

Department of Library and Information Sciences

X-1. INFO 5240 – Archival Arrangement and Description (Prerequisites)

    Prerequisites: ~~None.~~ INFO 5371.

X-2. INFO 5375 – Archival Appraisal (Prerequisites)

    Prerequisites: ~~None.~~ INFO 5371.

X-3. INFO 5001 – School Librarianship (Description)

    Description: ~~Introduction to school librarianship with an overview of the profession including the library media specialist as an information specialist, as teacher, as consultant and as program manager. The course includes discussion topics, introduction seeking skills and selection tools.~~ Introduction to school librarianship with an overview of the profession including the various roles of the school librarian: information specialist, instructional collaborator and program administrator. Exposure to and an understanding of Intellectual Freedom, 21st century learning and resources, and the new face of school librarianship.

X-4. INFO 5050 – Trends and Practices in School Librarianship (Description)

    Description: ~~Overview of seminal documents of the school library profession including the Library Media Specialist as information specialist, as teacher and as consultant. Course objectives include serving effectively as an information specialist; applying sound managerial principles; developing and maintaining a collection; understanding legal and ethical issues; understanding how to integrate the library media program; appreciating human diversity; understanding how to work collaboratively.~~ Identification and analysis of trends and current issues in school libraries including library automation

*Indicates THECB approval required

systems and their management, collaborative teaching and inquiry learning, and the school library learning environment.

X-5. INFO 5208 – Learning Resources Organization and Media (Course Title, Description)

Course Title: Learning Resources Organization *and Media*
Description: *Organization of print and non-print collections, including descriptive cataloging, Anglo-American Cataloging Rules, Dewey Decimal Classification, Library of Congress and Sears Subject Headings and MARC records. Media and media services, including media services to special populations. Library automation systems and their management.* Organization of print and non-print collections, including descriptive cataloging, AACR2, Resource Description and Access (RDA), Dewey Decimal Classification, Library of Congress and Sears Subject Headings and MARC records.

X-6. INFO 5340 – Learning Resources Centers and Services (Description)

Description: *Role and functions of library/media centers in department, college and other settings. Problems of organization and management. Kinds of learning resources and services. Federal and state programs; development and trends. Individual investigation of major issues and topics.* Introduces the attitudes and competencies necessary to manage and provide effective leadership in a school library media program. Examines the roles and functions of school libraries. Investigates current topics relevant to the management of services in school libraries.

X-7. INFO 5345 – Library Operation and Policy Development (Course Title, Description)

Course Title: *Library Operation and Policy Development* Library Program Development
Description: *Operational procedures for administrative supervision of department libraries, including acquisition, processing and maintenance of collections. Policy development within the context of the school community, including stakeholder assessment, policy preparation, legal implications and political impact of library operations.* Strategies for developing leadership skills as librarians work collaboratively with school and community stakeholders to promote the goals of the library media program. The process for engaging stakeholders in program development, assessment of services, and creation of policies and procedures. The use of evidence-based practice to develop, implement, evaluate, and advocate for library programs and services.

X-8. INFO 5405 – Advanced Information Resources Development (Course Title, Prefix)

Course Title: *Advanced Information Resources Development* > Collection Development and Analysis in School Libraries
Description: *Advanced study of current problems and practices in collection development and management, with emphasis on evaluation techniques and the development of cost-effective policies and procedures for maintaining collections. Individual investigation of selected problems and practices.* > Study of principles and practices in collection development and management of a school library, with emphasis on evaluation techniques, collection analysis, and integration of digital resources. Individual investigation of selected problems and practices.

X-9. INFO 5420 – Literature for Youth (Description)

Description: *Survey of literature and media, including multicultural and multiethnic materials. Wide reading and use of materials for children and young adults.* > Survey of children's and young adult literature, focusing on awards, genre, multi-cultural and multi-ethnic literature. Involves a wide range of reading, evaluation, and development of program skills.

X-10. INFO 5501 – Fundamentals of Data Analytics (Description, Add Cross-Listing)

*Indicates THECB approval required

This was a new course approved in June 2016 and will not be in the catalog yet. Consultations with COB, INSD, and COE completed as of 10/07/2016.

Description: ~~This course covers the data lifecycle process and exposes students to the basic concepts required for analytical tasks, including smart processing and technologies such as computational methods from statistics linguistics, data visualization, and other techniques to facilitate analysis. Particular emphasis is on data management issues during the data lifecycle, from the observation of natural phenomena to the capture of raw data points to cleaning, organization and further treatments to make data useful for analysis.~~ This course provides and introduction to key concepts of data science, data analysis, data acquisition and management, statistical analysis software and programming, communicating and operationalizing analysis results and data ethics. It covers the data lifecycle process and basic concepts required for data science and analytical tasks, including smart processing and technologies such as computational methods, data visualization, and other techniques to facilitate data analysis. Particular emphasis is on data management issues during the data lifecycle, from the observation of natural phenomena to the capture of raw data points to cleaning, organization and further treatments to make data useful for analysis.

Cross-Listing: ~~None.~~ INSD 5120. (New course – approved October 20, 2016)

X-11. INFO 5720 – Instructional Materials Production and Use (Description)

Description: ~~Role of instructional materials in media centers and settings of various types. Emphasizes instructional design and production techniques using different media and equipment, including computers. Supervised laboratory experience.~~ > Introduces concepts and techniques for designing, evaluating, and producing instructional materials in libraries and learning environments. Incorporates instructional design with technology to support learning. Involves the completion of hands-on multimedia projects using web-based tools.

X-12. INFO 5740 – Introduction to Digital Libraries (Description, Prerequisites)

Description: ~~Introduction to current research and the conceptual, practical and technical issues of digital libraries. Theoretical foundations, technical infrastructures, knowledge organization, collection development, user and service evaluation, and social, cultural and policy issues are discussed. Students read papers and discuss related issues, evaluate a digital library of their choice, and write an in-depth term paper or conduct a class project.~~ > Introduction to conceptual, practical and technical issues for developing and managing digital libraries. Theoretical foundations, technical infrastructures, digital objects (including born-digital objects and digitized objects), digital collection, organization and representation of information, user and service evaluation, and social, cultural and policy issues are discussed.

Prerequisites: ~~Completion of all core courses, or concurrent enrollment in last course~~. None.

X-13. INFO 5841 – Digital Curation Fundamentals (Description, Prerequisites)

Description: ~~Introduces fundamental concepts, practices, procedures, processes, and vocabulary for the entire curation lifecycle of digital materials, from creation through appraisal, ingest, and storage, to access and reuse. Covers history and background; concepts and principles; community standards and practices; challenges and issues; and basic techniques for curating and managing digital objects.~~ > Introduces fundamental concepts, practices, procedures, processes, and vocabulary for the entire curation lifecycle of digital materials and data, from creation through appraisal, ingest, and storage, to access and reuse. Covers history and background; concepts and principles; community standards and practices; challenges and issues; and basic techniques for curating and managing digital materials and data.

Prerequisites: ~~LIS students should have completed all LIS master's core courses, or be in concurrent enrollment with their last core course.~~ None.

*Indicates THECB approval required

X-14. INFO 5842 – Digital Curation Tools and Applications (Description, Prerequisites)

Description: ~~Covers the technical infrastructure, including systems and services, necessary for digital curation. Focuses on techniques, tools and applications for curating digital data and information. Topics covered include creating and executing an action plan for archiving digital data (assets or information), deciding what to store, consolidating multiple file versions, and creating metadata. Explores institutional and disciplinary repositories and underlying platforms, including DSpace, Fedora Commons and Eprints.~~ > Covers the technical infrastructure, including systems and services, necessary for digital curation. Focuses on techniques, tools and applications for curating digital materials and data. Topics covered include creating and executing an action plan for archiving digital materials and data, deciding what to store, consolidating multiple file versions, and creating metadata. Explores various digital repositories and their underlying platforms.

Prerequisites: ~~LIS students should have completed all LIS master's core courses, or be in concurrent enrollment with their last core course.~~ INFO 5740 or INFO 5841 (may be taken concurrently).

X-15. INFO 5843 – Preservation Planning and Implementation for Digital Curation (Description, Prerequisites)

Description: ~~Provides students an opportunity to develop a plan for preservation throughout the curation lifecycle of digital materials. Students apply digital curation concepts and models to understand preservation planning processes and use various tools and applications to implement the plan on digital objects.~~ > Provides students an opportunity to develop a plan for preservation throughout the curation lifecycle of digital materials and data. Students apply digital curation concepts and models to understand preservation planning processes and use various tools and applications to implement the plan on digital materials and data.

Prerequisites: ~~INFO 5842.~~ INFO 5740 or 5841 (May be taken concurrently).

X-16. INFO 5844 – Advanced Topics in Digital Curation (Description, Prerequisites)

Description: ~~Seeks to integrate and expand students' knowledge of concepts and techniques of digital curation acquired in the prerequisite course. Project-oriented along with seminar-type sessions to address real-world problems and advanced topics of digital curation.~~ > Introduces and surveys a selection of cutting-edge topics in the field of digital curation. Project-oriented along with seminar-type sessions to address real-world problems and issues.

Prerequisites: ~~INFO 5843 (may be taken concurrently).~~ INFO 5740 or INFO 5841 (May be taken concurrently).

B. **Course Deletions**