

UNIVERSITY CURRICULUM COMMITTEE

Minutes #7 approved (2016-2017 Undergraduate Catalog)

November 11, 2015

Members Present: Colclasure, Cook, Dustin, Latham, Lieberman, Lippert, Morey, Neisler, Prud'homme, Rosenthal, Segelcke, Shim, Spreier, Standard, Stapleton, Temple, Trefzger, Willard

Members Absent:

Guests Present: Dagmar Budikova and Jill Thomas, Geography-Geology; Jane Turley, Health Sciences; Tami Martin, Mathematics; Carlyn Morenus and Steve Parsons, Music; and Mandy Dartt, Women's and Gender Studies

1. Temple convened the meeting at 3:05 p.m.
2. **INTRODUCTIONS:** Members and guests introduced themselves.
3. **APPROVAL OF MINUTES:** Meeting Minutes #6, October 28, 2015.

Latham moved to approve the minutes, Neisler seconded. There were minor corrections to the minutes. The committee approved the minutes as amended by acclamation, with one abstention.

4. PROPOSAL ACTION:

IT MAJOR IN COMPUTER SCIENCE: Morey and Lippert
GENERAL COMPUTER SCIENCE SEQUENCE (Revise)

With no further discussion needed, Morey moved to approve the proposal to revise the General Computer Science Sequence in the Major in Computer Sciences, Lippert seconded, and the committee approved by acclamation. Catalog copy follows:

General Computer Science Sequence:

The General Computer Science sequence is designed for students who wish to pursue a broad education in computer science and to prepare students to work for a variety of companies including those that have a scientific, engineering, or mathematical focus. It would also prepare students to pursue graduate studies in Computer Science. This sequence is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET). A minor is not required.

- **86-88 hours required.**
- **50 hours in Information Technology required.**
- **Required courses (35 hours): IT 168, 179, 191, 214, 225, 226, 261, 279, 327, 328, 378, 383.**
- **6 hours of IT 398.**
- **9 hours from: IT 276, 326, 330, 340, 351, 353, 356, 367, 382, 384, 385, 388 (6 of the 9 hours must be from: IT 326, 340, 356, 384, 388).**
- **Supporting requirements (36-38 hours):**
 - **Mathematics and Statistics (15-16 hours): MAT 145, 146, 260; 1 course from: MQM 100, MAT 250, 350.**
 - **Communication (6 hours): COM 223, ENG 249.**
 - **Science (15-16 hours): 1 pair of: CHE 140, 141; or PHY 110, 111; 2 additional courses from: BSC 196, 197, CHE 140, 141, PHY 110, 111, 112, 375.**

ALLOWABLE SUBSTITUTIONS FOR REQUIRED COURSES:

- **Acceptable substitution for 3 hours of IT 398 is 3 hours of IT 391.**
 - **Acceptable substitution for 6 hours of IT 398 is 3 hours of IT 391 and 3 additional hours from IT 276, 326, 330, 340, 351, 353, 356, 367, 382, 384, 385, 388 (if not used to satisfy other requirements).**
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IT WEB COMPUTING SEQUENCE (New)

With no further discussion needed, Morey moved to approve the proposal for the new Web Computing Sequence in the Major in Computer Science, Lippert seconded, and the committee approved by acclamation. The proposal will be forwarded to the Academic Senate for their review. Catalog copy follows:

Web Computing Sequence:

The Web Computing sequence is designed for students who wish to pursue a broad education in computer science with special emphasis on Web, mobile, and cloud computing. It is to prepare students to work for a variety of companies including those that have a scientific, engineering, or mathematical focus, with Web computing needs. It would also prepare students to pursue graduate studies in Computer Science. A minor is not required.

- **86-88 hours required.**
- **50 hours in Information Technology required.**
- **Required courses (44 hours): IT 168, 179, 191, 214, 225, 226, 261, 279, 327, 328, 353, 354, 358, 378, 383.**
- **6 hours of IT 398.**
- **Supporting requirements (36-38 hours):**
 - **Mathematics and Statistics (15-16 hours): MAT 145, 146, 260; 1 course from: MAT 250, 350, MQM 100;**
 - **Communication (6 hours): COM 223, ENG 249.**
 - **Science (15-16 hours): 1 pair of CHE 140, 141; or PHY 110, 111; 2 additional courses from BSC 196, 197, CHE 140, 141, PHY 110, 111, 112, 375.**

ALLOWABLE SUBSTITUTIONS FOR REQUIRED COURSES:

- **Acceptable substitution for 3 hours of IT 398 is 3 hours of IT 391.**
 - **Acceptable substitution for 6 hours of IT 398 is 3 hours of IT 391 and 3 additional hours from IT 276, 326, 330, 340, 351, 356, 367, 382, 384, 385, 388 (if not used to satisfy other requirements).**
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IT MAJOR IN INFORMATION SYSTEMS:

- INFORMATION ASSURANCE AND SECURITY SEQUENCE (Revise)**
- INTEGRATION OF ENTERPRISE SYSTEMS SEQUENCE (Revise)**
- SYSTEMS DEVELOPMENT/ANALYST SEQUENCE (Revise)**
- WEB APPLICATION DEVELOPMENT SEQUENCE (Revise)**

With no further discussion needed, Morey moved to approve the proposal to revise the Information Assurance and Security Sequence, Integration of Enterprise Systems Sequence, Systems Development/Analyst Sequence, and the Web Application Development Sequence, Lippert seconded, and the committee approved by acclamation. Catalog copy follows:

Information Assurance and Security Sequence:

The Information Assurance and Security Sequence is designed to give students the knowledge and tools necessary for protecting information and information systems. The sequence provides education for protecting the confidentiality, availability, and integrity of information using technology, people, and policy. A minor is not required.

- 80-81 total hours required.
- 47-48 hours in Information Technology required.
- Required courses (38 hours): IT 168, 178, 191, 214, 250, 254, 261, 262, 276, 351, 357, 377, 378.
- Professional Practice (6 hours): IT 398.
- 1 course from: IT 170, 330, 353, 363, 368, 373, 376, 380, 381.
- Supporting requirements (33 hours):
 - Mathematics and Statistics (11 hours): MAT 120 or 145; 160; 1 course from: ECO 138, GEO 138, PSY 138, MQM 100.
 - Communication and Organization (22 hours): ACC 131; COM 223; ECO 105 (4 hours); MQM 220; 1 course from COM 227, ENG 249; and 2 courses from ACC 132, ECO 225 or 239 or 245, FIL 240, MKT 230.

ALLOWABLE SUBSTITUTIONS FOR REQUIRED COURSES:

- Acceptable substitution for 3 hours of IT 398 is 3 hours of IT 391.
- Acceptable substitution for 6 hours of IT 398 is 3 hours of IT 391 and 3 hours from IT 330, 353, 363, 368, 373, 376, 380, 381 (if not used to satisfy other requirements).

Integration of Enterprise Systems Sequence:

The Integration of Enterprise Systems Sequence is designed for students who are interested in the areas of software development, project management, and application integration using large enterprise computing systems. This sequence provides in-depth knowledge regarding the integration of business applications on a large enterprise computing system. A minor is not required.

- 81-82 total hours required.
- 48-49 hours in Information Technology required.
- Required courses (39 hours): IT 168, 178, 191, 214, 225 or 254; 261, 262, 272, 276, 330, 372, 378, 392.
- Professional Practice (6 hours): IT 398.
- 1 course (3-4 hours) from: IT 250, 363, 367, 368.
- Supporting requirements (33 hours):
 - Mathematics and Statistics (11 hours): MAT 120 or 145, MAT 160; 1 course from ECO 138, GEO 138, PSY 138, MQM 100.
 - Communication and Organization (22 hours): ACC 131; COM 223; ECO 105 (4 hours); MQM 220; 1 course from COM 227; ENG 249; 2 courses from ACC 132, ECO 225 or 239 or 245, FIL 240, MKT 230.

ALLOWABLE SUBSTITUTIONS FOR REQUIRED COURSES:

- Acceptable substitution for 3 hours of IT 398 is 3 hours of IT 391.
- Acceptable substitution for 6 hours of IT 398 is 3 hours of IT 391 and 3 hours from IT 250, 363, 367, 368, (if not used to satisfy other requirements).

Systems Development/Analyst Sequence:

The Systems Development/Analyst Sequence is designed for the student who will seek a position as an Information Systems professional developing business-oriented information systems. This sequence provides in-depth knowledge of analysis and design techniques along with electives in emerging technologies. A minor is not required.

- 82 total hours required.
- 49 hours in Information Technology required.
- Required courses (37 hours): IT 168, 178, 191, 214, 254, 261, 262, 272, 276, 363, 372, 378.
- Professional Practice (6 hours): IT 398.
- 2 courses from: IT 250, 330, 341, 353, 367, 368.
- Supporting requirements (33 hours):
 - Mathematics and Statistics (11 hours): MAT 120 or 145, MAT 160; 1 course from ECO 138, GEO 138, PSY 138, MQM 100.
 - Communication and Organization (22 hours): ACC 131, COM 223, ECO 105 (4 hours), MQM 220; 1 course from COM 227, ENG 249; 2 courses from ACC 132, ECO 225 or 239 or 245, FIL 240, MKT 230.

ALLOWABLE SUBSTITUTIONS FOR REQUIRED COURSES:

- Acceptable substitution for 3 hours of IT 398 is 3 hours of IT 391.
- Acceptable substitution for 6 hours of IT 398 is 3 hours of IT 391 and 3 hours from IT 250, 330, 341, 353, 367, 368 (if not used to satisfy other requirements).

Web Application Development Sequence:

The Web Application Development Sequence is designed to give students a background for developing information systems in a Web/Internet-based environment. This sequence provides in-depth knowledge of Web development techniques and supporting technologies, along with related emerging technologies. A minor is not required.

- 80 total hours required.
- 47 hours in Information Technology required.
- Required courses (35 hours): IT 168, 178, 191, 214, 254, 261, 262, 276, 353, 354, 358, 378.
- Professional Practice (6 hours): IT 398.
- 2 courses from: IT 330, 341, 367, 368, 377.
- Supporting requirements (33 hours):
 - Mathematics and Statistics (11 hours): MAT 120 or 145, MAT 160; 1 course from: ECO 138, GEO 138, PSY 138, MQM 100.
 - Communication and Organization (22 hours): ACC 131, COM 223, ECO 105 (4 hours), MQM 220; 1 course from: COM 227, ENG 249; and 2 courses from ACC 132, ECO 225 or 239 or 245, FIL 240, MKT 230.

ALLOWABLE SUBSTITUTIONS FOR REQUIRED COURSES:

- Acceptable substitution for 3 hours of IT 398 is 3 hours of IT 391.
 - Acceptable substitution for 6 hours of IT 398 is 3 hours of IT 391 and 3 hours from IT 330, 341, 367, 368, 377 (if not used to satisfy other requirements).
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IT MINOR IN INFORMATION SYSTEMS (Revise)

With no further discussion needed, Morey moved to approve the proposal for revision of the Minor in Information Systems, Lippert seconded, and the committee approved by acclamation. Catalog copy follows:

MINOR IN INFORMATION SYSTEMS

The Information Systems Minor is designed for people who will use computers as tools in their chosen profession or provide limited computer support for their work group.

- **A minimum of 22 hours required.**
- **Required courses: IT 168, 178, 254, 261, 262.**
- **1 course from: IT 250, 276, 341, 353, 367, 368, 378.**
- **3-4 hours of an IT 200 or 300-level course.**

IT MAJOR IN NETWORK AND TELECOMMUNICATIONS MANAGEMENT (Revise)

With no further discussion needed, Morey moved to approve the proposal for revision of the Major in Network and Telecommunications Management, Lippert seconded, and the committee approved by acclamation. Catalog copy follows:

MAJOR IN NETWORK AND TELECOMMUNICATIONS MANAGEMENT

Network and Telecommunications Management is concerned with network technology, information systems, computer technology, business practices, policy issues, and psychological/social considerations involved in voice, data, image, and video transmission. This program prepares undergraduate students to enter the industry in entry-level positions with adequate preparation to assume management positions once work experience is gained. Graduates will possess an in-depth technical understanding of computer networks and telecommunication systems as well as an appreciation of the economic and public policy issues that are important in the design and development of local and wide area networks, and national and multinational telecommunication systems. A minor is not required.

- **80 total hours required.**
- **47 hours in Information Technology required.**
- **Required courses (35 hours): IT 168, 170 or 178, 191, 214, 254, 261, 262, 276, 373, 377, 379, 381.**
- **Professional Practice (6 hours): IT 398.**
- **Electives: 2 courses from: IT 250, 374, 376, 378, 380.**
- **Economic, Legal, Public Policy (10 hours): ECO 105 (4 hours), 235; 1 course from: FIL 311, 312, POL 318.**
- **Supporting requirements (23 hours):**
 - **Mathematics and Statistics (11 hours): MAT 120 or 145, MAT 146 or 160; 1 course from: ECO 138, GEO 138, PSY 138, MQM 100.**
 - **Communication and Organization (12 hours): ACC 131, COM 223, MQM 220; 1 course from COM 227, ENG 249.**

ALLOWABLE SUBSTITUTIONS FOR REQUIRED COURSES:

- **Acceptable substitution for 3 hours of IT 398 is 3 hours of IT 391.**
- **Acceptable substitution for 6 hours of IT 398 is 3 hours of IT 391 and 3 hours from IT 374, 376, 378, 380 (if not used to satisfy other requirements).**

KNR MAJOR IN ATHLETIC TRAINING (Revise)**Latham and Cook**

With no further discussion needed, Latham moved to approve the proposal to revise the Major in Athletic Training, Cook seconded, and the committee approved by acclamation. Catalog copy follows:

Athletic Training Program**Degree Offered: B.S.****MAJOR IN ATHLETIC TRAINING****Program Admission Requirements for New and Continuing Students:**

Admission to this academic program is limited and is based on space availability and the competitiveness of the applicant pool. Factors that may be considered include, but are not limited to: courses completed, cumulative GPA, hours completed, personal interview and written statement, and samples of work completed. For additional information on minimum requirements for admission and the application and selection process, visit IllinoisState.edu/Majors or contact the undergraduate advisor for the intended major.

Admission to Athletic Training Program:

All students planning to become a certified athletic trainer must apply for and be admitted to the Athletic Training Program (AT) Clinical Instruction Practicum. Completed applications are accepted only during the fall semester and must be received on or before November 30. Transfer students must also apply to the AT Clinical Instruction Practicum and will be evaluated individually based on previous course work and stated criteria. Current application deadlines are posted on the athletic training home page and announced in KNR 188. Eligibility to apply for admission to the AT Clinical Instruction Practicum will be determined by the Director of the Athletic Training Program. Applicants compete for available spaces in the program. The following qualifications must be met to be considered for admission into the program.

- 1. Fulfill university requirements up to the time of application to the AT Clinical Instruction Practicum.**
- 2. Completion of prerequisite coursework with a grade of C or better in KNR 181, 188.**
- 3. Overall GPA of 2.70 or higher and major GPA of 2.70 or higher.**
- 4. Completed application for admittance to the AT Clinical Instruction Practicum.**

Students successful in the four previous criteria are then considered for acceptance into the clinical portion of the program. Placement is limited by the number of clinical sites and availability of approved clinical instructors. Highest priority will be given to the most qualified applicants based on the following criteria:

- overall and major grade point average**
- grades in requisite courses**
- quality of written essay submitted with application**
- performance evaluations of observation hours from clinical instructors**
- score on an athletic training general knowledge examination**
- two written recommendations from qualified individuals**
- completion of an interview with members of the athletic training faculty**

The selection process results in one of the following student classifications:

- a. full acceptance to the clinical portion of the program**
- b. qualified, but placed on a wait list**
- c. not qualified, not accepted**

Athletic Training Program Curriculum:

- **60 major hours that include:**
 - **54 hours in KNR as follows:**
 - **15 hours in foundation courses: KNR 181, 182, 257, 280, 282.**
 - **34 hours in athletic training core courses: KNR 188 (2 hours), 252, 284, 288, 298A11 (1 hour), 298A12 (1 hour), 298A13 (1 hour), 298A14 (1 hour), 298A15 (1 hour), 334 (4 hours), 335 (2 hours), 361, 362 (1 hour), 363 (2 hours), 387, 388.**
 - **5 hours (minimum) in KNR 398A12.**
 - **6 hours of interdisciplinary courses: FCS 102, HSC 105.**

Standards for Progress in the Major:

Once admitted to the AT Clinical Instruction Practicum, the student will begin clinical work in athletic training at sites affiliated with Illinois State University, and must maintain the following requirements:

1. A minimum cumulative and major GPA of 2.70.
2. A student falling below the required GPA will be placed on probation for one semester. If after one semester, the 2.70 GPA has not been re-established, the student will be dropped from the AT Clinical Instruction Practicum and advised to change majors.
3. The student must earn a grade of C or better on each clinical site supervisor evaluation. A student earning less than a grade of C will not be permitted to count the hours completed during the affected clinical rotation toward AT requirements.
4. The student must adhere to the Athletic Training Program Handbook maintained on the Program website. The student is hereby informed of reasonable monetary costs associated with the AT including the purchase of uniform clothing to be worn during assigned clinical rotations.
5. In keeping with the University requirements regarding hepatitis-B (HBV) immunizations, clinical students in the AT shall be immunized against this disease. Additionally students admitted to the Clinical Instruction Practicum must submit complete documentation of a current physical examination from an approved (MD or DO) licensed physician.
6. The student is responsible for maintaining standards and expectations of the AT. Failure to do so will result in written notification and reprimand including possible dismissal from the AT.
7. A student who has not been retained in the AT Clinical Instruction Practicum may reapply for admission during the next available application period upon the advisement of the Director of the Athletic Training Program.

Certification and Licensure:

Completion of the Athletic Training program of study including 1200 supervised clinical hours and certification in first aid and Emergency Cardiac Care is designed to permit the student to apply to take the Board of Certification (BOC) examination and to apply for Illinois licensure as an athletic trainer. However, accreditation and licensure requirements are subject to change so the student is strongly advised to obtain notification of the latest requirements for BOC certification and Illinois licensure from the respective governing organizations and from the Director of the Athletic Training Program.

PHI MAJOR IN PHILOSOPHY (Revise)

Stapleton and Dustin

With no further discussion needed, Stapleton moved to approve the proposal to revise the Major in Philosophy, Dustin seconded, and the committee approved by acclamation. Catalog copy follow:

MAJOR IN PHILOSOPHY

- **33 total hours in Philosophy are required.**
- **A 2.00 cumulative GPA is required for retention in this major.**
- **Required courses (15 hours): PHI 112, 201, 232, 254, 255.**
- **Elective courses (18 hours):**
 - **At least one 3 hour elective course from two of the three groups, A, B, and C (6 hours):**
 - Group A - Non-Western Philosophy, Feminist Philosophy, Human Nature: PHI 202, 207, 208, 222, 224, 246.**
 - Group B - Mind, Science, Metaphysics, Epistemology: PHI 204, 205, 206, 250, 251, 253, 263.**
 - Group C - Ethics, Social and Political Philosophy: PHI 233, 234, 236, 238, 240, 242.**
 - **At least two elective courses (6 hours) at the 300-level: PHI 305, 310, 315, 330, 340, 350, 363.**
 - **At least two additional elective courses in Philosophy (6 hours) with no more than any one course (3 hours) at the 100-level (PHI 101, 104, 105).**

Majors are strongly discouraged from enrolling in more than two 300-level courses in one semester.

Concentrations: Philosophy majors may elect to take courses in one or more of the following areas of concentration, depending on individual interests.

(NOTE: A concentration is not required and will not appear on the student's transcript or diploma.)

Pre-law: PHI 234, 236, 238, 240, 242, 246.

Ethics: PHI 233, 234, 236, 330.

Metaphysics and Epistemology: PHI 204, 205, 206, 207, 208, 222, 224, 250, 251, 253, 263, 310, 315, 363.

History of Philosophy: PHI 207, 208, 254, 255, 305, 350.

TEC MAJOR IN RENEWABLE ENERGY (Revise)

Lieberman and Standard

With no further discussion needed, Lieberman moved to approve the proposal to revise the Major in Renewable Energy, Standard seconded, and the committee approved by acclamation. Catalog copy follows:

MAJOR IN RENEWABLE ENERGY

Degree Offered: B.S.

The Major in Renewable Energy is an interdisciplinary program that prepares students for careers in renewable energy and related industries, including wind energy, solar power, biofuels, and energy management. The curriculum is designed to provide students with a broad understanding of energy management concepts and the roles played by renewable resources. Students will develop expertise in an interdisciplinary core of subjects fundamental to renewable energy as well as more in-depth studies in a related minor.

- **67 total hours required.**
- **23 hours in General Education: CHE 102; HSC 156; MAT 120 (4 hours); MQM 100; PHY 105 (4 hours), 207; PSY 110.**
- **38 hours in required core courses: AGR 225; ECO 105 (4 hours), 236; GEO 211; TEC 100 (1 hour), 111, 160, 258, 259, 260, 262, 270, 360.**
- **6 hours selected from: FIL 185, SOC 330, TEC 116, 117, 217, 320, 370, 398A02.**

- **Students are required to choose a minor from the following: Business Administration, Business Environment and Sustainability, Economics, Environmental Studies, Geography, or Technology.**

MUS KEYBOARD PERFORMANCE SEQUENCE (Revise) Cook and Colclasure

With no further discussion needed, Cook moved to suspend the practice of “discussion one week – action the next” and act on the proposal today, Latham seconded, and the committee approved by acclamation. Cook moved to approve the proposal to revise the Keyboard Performance Sequence in the Major in Music, B.M., Colclasure seconded, and the committee approved by acclamation. Catalog copy follows:

MAJOR IN MUSIC, B.M.

- **Required courses for all sequences except Music Therapy (for requirements, see Music Therapy Sequence) IDS 121A03; *MUS 100 (2 semester hours) 101, 102, 107, 108, 167, 201, 207, 253, 254, 275; 1 course selected from MUS 213, 214, 219; 1 course selected from MUS 220, 221, or 222; 2 courses selected from among MUS 355 (355A01, 355A02, 355A03, 355A04, 355A05), 356 (356A01, 356A02), 391, 392, 394, 395, 396; 8 semesters of Major Performing Ensembles (See “Major Performing Ensemble Requirements”); 6 semesters of MUS 110 (transfer students must enroll in MUS 110 each semester on campus up to a total of 6 semesters).**
- **Completion of: 8 semesters of Applied Music on the major instrument at both 100 and 200 levels according to stipulations below for each sequence.**
- **All B.M. majors in the Keyboard Performance Sequence are required to demonstrate proficiency equivalent to that outlined for Functional Skills for Keyboard Majors (MUS 322). All majors in the Composition Sequence are required to demonstrate proficiency equivalent to that outlined for Level IV of Group Instruction Piano (MUS 122A40). All other B.M. majors (except for Keyboard Performance Sequence and Composition Sequence) are required to demonstrate proficiency equivalent to that outlined for Level III of Group Instruction Piano (MUS 122A30).**
- **Students also select 1 of the 6 following sequences and complete requirements of that sequence.**
- **A grade of C or better is required in all courses in the major including specific requirements of each sequence.**

NOTE: MUS 275 fulfills the General Education Fine Arts requirement and the Global Studies requirement and IDS 121A03 fulfills the Language and Humanities requirement.

*** Students fulfill MUS 100 requirement by taking MUS 100A01 and MUS 100A02 respectively for one hour each.**

Keyboard Performance Sequence (Piano, Organ, Harpsichord):

- **72 hours required (including B.M. major course requirements).**
- **24 hours of Applied Music.**
- **Of the 8 required semesters of Applied Music on the major instrument, at least 3 semesters must be at the 200 level.**
- **Perform one junior recital (30 minutes), and one senior recital (60 minutes).**
- **4 hours of MUS 330 Keyboard Pedagogy and Literature.**
- **2 hours of functional keyboard skills and sight-reading (MUS 322).**
- **4 hours of MUS 240 Accompanying. NOTE: This may be 4 of the 8 hours in Music performing organizations required of B.M. majors.**
- **Electives to complete 120 hours (including 39 hours of General Education requirements).**

GEO EARTH AND SPACE SCIENCE EDUCATION (Revise) Morey and Neisler

With no further discussion needed, Cook moved to suspend the practice of “discussion one week – action the next” and act on the proposals today, Latham seconded, and the committee approved by acclamation. Morey moved to approve the proposal to revise the Earth and Space Science Education Sequence in the Major in Geology, Neisler seconded, and the committee approved by acclamation. Catalog copy follows:

Earth and Space Science Teacher Education Sequence:

Advisors: Lisa Tranel and Jill Thomas

- **83 total hours required.**
- **57 hours in Geology, Geography, Physics, Chemistry, and Biological Sciences required.**
- **Required courses (23 hours): GEO 202, 203, 211, 280, 290, 295 and 307.**
- **Any 6 credit hours selected from advanced GEO science courses (at the 200-level or above).**
- **Required interdisciplinary courses (28 hours): CHE 110; BSC 196, 197; PHY 108, 109, 208, and 311.**
- **To qualify for the professional educator license, the student must complete the Professional Education requirements (26 hours): EAF 228 or 231 or 235; PSY 215; TCH 212, 216, 219; STT 399A17 (12 hours) Student Teaching. Students must pass all sections of the State of Illinois Enhanced Test of Academic Proficiency (TAP) before they can register for TCH 216 and 219.**
- **NOTE: A 2.50 GPA in the major and overall is required for admission to Professional Studies and a 2.75 GPA for admission to Student Teaching. Deadlines for admission to Professional Studies and Student Teaching are available from the Center for Teacher Education.**

HSC HEALTH INFORMATION MANAGEMENT RHIT-HIM ONLINE SEQUENCE (Revise) Trefzger and Willard

With no further discussion needed, Cook moved to suspend the practice of “discussion one week – action the next” and act on the proposals today, Latham seconded, and the committee approved by acclamation. Trefzger moved to approve the proposal to revise the Health Information Management RHIT-HIM Online Sequence, Willard seconded, and the committee approved by acclamation. Catalog copy follows:

Course Requirements in the RHIT-HIM Online Sequence:

- **Major courses (66 hours): HSC 326, 327, 328, 329, 330, and 398A05 (3 hours); and 33 semester hours earned as Proficiency Credit;**
- **A grade of C or better is required in all HIM courses for retention in the major.**

Health information technology courses are held as Proficiency Credit for the student until successful completion of three consecutive semesters of Health Information Management upper-division courses from: HSC 326, 327, 328, 329, or 330. Once these courses have been successfully completed with a grade of C or better through enrollment, thirty-three (33) credit hours are placed on the student’s transcript as Proficiency Credit for the following Health Information Management courses: HSC 105, 200, 201, 202, 210, 212, 214, 230, and 298A03; KNR 181 and KNR 182.

MAT MATHEMATICS TEACHER EDUCATION SEQUENCE (Revise) Shim and Prud`homme

With no further discussion needed, Cook moved to suspend the practice of “discussion one week – action the next” and act on the proposals today, Latham seconded, and the committee approved by acclamation.

Shim moved to approve the proposal to revise the Mathematics Teacher Education Sequence, Prud'homme seconded, and the committee approved by acclamation. Catalog copy follows:

Mathematics Teacher Education Sequence:

This sequence of the major is part of the entitlement program leading to high school mathematics teacher endorsement.

- **A minimum of 50 hours in Mathematics is required with a minimum overall GPA of 2.80 and a minimum Mathematics GPA of 2.80 required for retention and graduation.**
- **Required Mathematics courses: MAT 145, 146, 147, 175, 211, 223, 236, 260, 320, 323, 324, 352; one mathematics elective (3 hours chosen from 200- or 300-level mathematics courses that are offered for major/minor credit, but are not designed for the actuarial sequence); and a Capstone Course: One of MAT 268 or 328. NOTE: MAT 211; TCH 216 or equivalent, and MAT 236 (or concurrent registration) are prerequisites for MAT 323. MAT 323 must be completed before the student teaching experience. MAT 147 and 45 credit hours completed are prerequisites for MAT 223. MAT 326 can count as a mathematics elective if not used for the technology requirement.**
- **Technology Requirement: One of MAT 326 or IT 168 or TEC 151. NOTE: Hours taken to fulfill the technology requirement do not count toward the required 50 hours in Mathematics.**
- **Professional Education requirements: EAF 228 or 231 or 235; PSY 215; SED 101; TCH 212, 216, 219; Student Teaching 399A27 (two sections of 5 hours each). NOTE: Students must pass all sections of the State of Illinois Enhanced Test of Academic Proficiency (TAP) before they can register for TCH 216 and 219.**
- **Interested students should consult their advisor about opportunities for tutoring secondary school students, serving as a teaching assistant, or other relevant voluntary Clinical Experiences.**
- **Submission of senior portfolio.**
- **A grade of C or better in all required major courses, and adherence to all requirements and deadlines is required for admission to Professional Studies and Student Teaching. Application forms and information about deadlines and procedures for admission to Professional Studies and Student Teaching are available from the Cecilia J. Lauby Teacher Education Center and on the Mathematics Department website.**

Admission to the Mathematics Teacher Education Sequence is limited and highly competitive.

Suggested Mathematics Schedules for Mathematics Teacher Education Sequence Majors:

Schedule (a) Students beginning with Calculus I

Schedule (b) Students beginning with Calculus II

Schedule (c) Accelerated schedule for honors students (Students beginning with Calculus III).

Semester	(a)	(b)	(c)
1	145	146	147, 175
2	146	147, 175	260, 320
3	147, 175	260, 320	211
4	223, 260, 320	211	223, 352
5	211, 352	223, 352	236 or elective
6	236, elective	236, elective	236 or elective
7	323, 326, 328	323, 326, 328	323, 326, 328
8	324 324	324	

MUS MUSICAL THEATRE SEQUENCE (Delete)**Segelcke and Stapleton**

With no further discussion needed, Cook moved to suspend the practice of “discussion one week – action the next” and act on the proposals today, Latham seconded, and the committee approved by acclamation. Segelcke moved to approve the proposal to delete the Musical Theatre Sequence from the Major in Music, B.A./B.S., Stapleton seconded, and the committee approved by acclamation. This proposal will be forwarded to the Academic Senate for their review. Catalog copy to be deleted follows:

Musical Theatre Sequence:**Degree Offered: B.A.**

- **30 hours required.**
- **2 hours Theatre Practicum (THD 102 or 302) and 2 hours of Opera Practicum (MUS 165 or 265). NOTE: This may be 4 of the 8 hours in music performing organizations required in the B.A./B.S. in Music curriculum.**
- **Required courses: THD 102, 105, 110, 113, 205, 237, 314A08, 322; one course chosen from THD 103 or 104; one course chosen from THD 119 or 219.**
- **MUS 122 (3 hours).**
- **To be granted admission to the Musical Theatre sequence, all incoming students must perform auditions in three areas: Music, Acting, and Dance. Students who are deficient in dance technique may have to take courses at a lower level. Deficiency hours will be above the hours required for this sequence. Information concerning qualifying auditions is available from the School of Music and the School of Theatre and Dance.**

WGS MINOR IN WOMEN’S AND GENDER STUDIES (Revise) Dustin and Latham

With no further discussion needed, Cook moved to suspend the practice of “discussion one week – action the next” and act on the proposals today, Latham seconded, and the committee approved by acclamation. Dustin moved to approve the proposal to revise the Minor in Women’s and Gender Studies, Latham seconded, and the committee approved by acclamation. Catalog copy follows:

Women’s and Gender Studies Program (WGS) 426

Director: Alison Bailey
237 Rachel Cooper, Campus Box 4260
Phone: (309) 438-2947

Advisors: Stacia Kock
232 Rachel Cooper Hall, Campus Box 4260
Phone: (309) 438-2947
Email: WGSAdvisor@IllinoisState.edu

or

Mandy Dartt
231 Rachel Cooper Hall, Campus Box 4260
Phone: (309) 438-2947
E-mail: WGSAdvisor@IllinoisState.edu
Web Address: WGS.IllinoisState.edu

The minor in Women’s and Gender Studies enhances any undergraduate major by offering students an interdisciplinary curriculum that focuses on diverse experiences of women in both

national and international contexts. The program provides a wide range of electives that offer students the conceptual tools to critically examine the meanings of gender and its intersections with race, sexuality, class/caste, coloniality and ability and they shape our ways knowing, behaviors, and political identities. Curricular areas of emphasis include the study of feminist theories and methodologies, social justice and activism, LGBTQ/queer studies, women's histories, literatures, visual cultures, and politics.

Women's and Gender Studies employs gender as an analytical category, along with race, class, and ethnicity, to focus on women's contributions to society and the gendered implications of cultural, political, and economic processes. By broadening a student's knowledge base, this interdisciplinary minor has theoretical and practical applications for scholarship, the workplace, personal growth and relationships.

— **21 hours required.**

— **Required courses: ENG 160, or 261, or 360; HIS 261 or 262; PHI 246 or POL 338; WGS 120.**

— **9 hours of additional courses from: ANT 270, 376; CJS 307, 339, 342; COM 128 or ENG 128 or LAN 128; ENG 206 or LAN 206; ENG 260, 261, 360; FCS 112 or HIS 112 or SOC 112; HIS 261 or HIS 262 if not chosen to fulfill requirement; HIS 264, 330, 350; IDS 121A39; PHI 202; POL 225, 337, 338, 363; PSY 123 or SOC 123; PSY 305; SOC 264, 265, 311, 341, 342, 366; WGS 292, 390, 391, 392, 398.**

NOTE: This program must be planned in consultation with the Women's and Gender Studies director or advisor. With their approval courses other than those listed above may be counted toward the minor.

5. PROPOSAL DISCUSSION:

MUS KEYBOARD PERFORMANCE SEQUENCE (Revise) Cook and Colclasure

Carlyn Morenus was present from the School of Music. Cook distributed a handout and presented a review of the proposal to revise the Keyboard Performance Sequence in the Major in Music, B.M.

- In the Keyboard Performance Sequence, the School of Music proposes to replace MUS 122A50 Group Piano for Performance Majors with a new course: MUS 322 Functional Skills for Keyboard Majors.
- The change to a 300-level course number reflects the high level skills taught in the course and accommodates attendance by graduate students.
- As a result of a change where MUS 122A05 went from a two to a one hour course last year, and the replacement of MUS 122A05 with the new 2 hour course, the hours of the sequence will go back to 72.
- The proposal also replaces the old course with the new course in the proficiency requirement and corrects nomenclature in the sequence catalog copy: Piano Performance Sequence should be Keyboard Performance Sequence (includes also organ and harpsichord).

With no further discussion needed, Cook moved to suspend the practice of "discussion one week – action the next" and act on the proposals today, Latham seconded, and the committee approved by acclamation. (See "Proposal Action" above.)

GEO EARTH AND SPACE SCIENCE EDUCATION (Revise) Morey and Neisler

Dagmar Budikova and Jill Thomas were present from Geography-Geology. Morey distributed a handout and presented a review of the proposal to revise the Earth and Space Science Education Sequence.

- The Department of Geography–Geology is proposing that the major core be changed from GEO 285 to GEO 290 and to replace GEO 100 with GEO 211.
- They report that there had been student confusion in selecting courses as electives. To address the confusion students will be required to take CHE 110, PHY 109, and BSC 197, rather than choosing from a list of electives. CHE 141 will no longer be an elective option.
- In addition, they are modifying the Physics requirements: PSY 208 will replace PHY 205 and PHY 311 will replace PHY 310.
- The department states that the changes will improve time to degree and strengthen the major core to improve content scores. The inclusion of PHY 311 instead of PHY 310 and modification of curriculum in GEO 307 will help address edTPA student preparation.
- The revision will enable students to be certified in Earth and Space Science Education, and endorsed in Physics. Students will be four credit hours short of an endorsement in Biology (which requires 12 hours), which could be fulfilled by completing an elective course.

Comments/Questions:

- The reviewers suggested including in the catalog copy the total number of hours (83), GEO hours (23), interdisciplinary courses hours (28), and the hours in professional education (26). The total hours also includes six hours of GEO courses at the 200-level or above.
- Letters of support from Physics and Chemistry were received.
- The information about middle level endorsement was removed from the catalog; due to licensure changes there is no longer an opportunity for secondary teacher educators to obtain a middle level endorsement without having completed a degree in middle level education.

With no further discussion needed, Cook moved to suspend the practice of “discussion one week – action the next” and act on the proposals today, Latham seconded, and the committee approved by acclamation. (See “Proposal Action” above.)

**HSC HEALTH INFORMATION MANAGEMENT RHIT-HIM
ONLINE SEQUENCE (Revise)**

Trefzger and Willard

Jane Turley was present from the Department of Health Sciences. Trefzger distributed a handout and presented a review of the proposal to revise the Health Information Management RHIT-HIM Online Sequence.

- The Department of Health Sciences proposes an increase in the hours of HSC 329 and HSC 330 from 5 to 6 hours each, increasing the total program hours by 2 (from 64 to 66).
- They explain that adding these hours allows for additional content that meets new requirements set by the Commission on Accreditation of Health Information Management.
- Health Information technology courses are held as proficiency credit for the student until successful completion of three consecutive semesters of HIM courses from: HSC 326, 327, 328, 329, and 330. Once these courses have been successfully completed with a grade of C or better through enrollment, 33 credit hours are placed on the student’s transcript as proficiency credit for HSC 105, 200, 201, 202, 210, 212, 214, 230, 298A03; KNR 181 and 182.

Questions/Comments:

- The reviewers asked if awarding the proficiency credit hours is a way to affirm that the student learned what was supposed to be learned in the certification and associate’s degree programs that are prerequisites for entering the RHIT-HIM program. Turley said that it is and Rosenthal mentioned that it is similar to Mennonite College of Nursing’s practice of holding courses in escrow in the RN/BSN Sequence.
- The reviewers asked for clarification on the number of hours a student must have of HSC 398A05; in the catalog the course listing shows 1 to 3 hours. Turley stated that the student is required to take HSC 398A05 for 3 hours. The catalog copy will be edited to make that clear.

With no further discussion needed, Cook moved to suspend the practice of “discussion one week – action the next” and act on the proposals today, Latham seconded, and the committee approved by acclamation. (See “Proposal Action” above.)

MAT MATHEMATICS TEACHER EDUCATION SEQUENCE (Revise)

Shim and Prud`homme

Tami Martin from the Department of Mathematics was present. Shim distributed a handout and presented a review of the proposal to revise the Mathematics Teacher Education Sequence.

- The Department of Mathematics proposes the replacement of two 4-hour courses, MAT 350A01 and 351A01, with one new 4-hour course, MAT 352. TEC 151 will be added to the elective courses for the technology requirement.
- They also are deleting “successful completion of edTPA” in the major requirements because it is addressed in the teacher education program requirements shown in the “University-wide Teacher Education” section of the catalog. They do not include other such requirements in their program and think because state and unit teacher education requirements can be a moving target, they thought it “cleaner” to keep references to those specific requirements out of their program description. Rosenthal agreed that the teacher education requirements (other than the list of courses required) should be referenced to the section of the catalog where they are all fully explained.
- As a result of the course changes, the number of hours will decrease from 54 to 50.

Questions/Comments:

- In the rationale on the proposal, the initiator states: “The removal of one 300-level course, while maintaining the most important content from that course, will alleviate the burden on transfer students of their compressed time frame for taking upper level courses, and will also provide more flexibility in scheduling for native students.” The reviewers asked if by native students they meant non-transfer students. Martin answered that she did and that the terminology goes back a few years.
- The reviewers asked for clarification on the “Suggested Mathematics Schedules for Mathematics Teacher Education Majors” and the placement of MAT 320. Martin explained that MAT 320 partners better with MAT 260, so is placed in the same semester as MAT 260.

With no further discussion needed, Cook moved to suspend the practice of “discussion one week – action the next” and act on the proposals today, Latham seconded, and the committee approved by acclamation. (See “Proposal Action” above.)

MUS MUSICAL THEATRE SEQUENCE (Delete)

Segelcke and Stapleton

Steve Parsons, Director of the School of Music, was present. Segelcke distributed a handout and presented a review of the proposal to delete the Musical Theatre Sequence from the Major in Music, B.A/B.S.

- The School of Music proposes deletion of the Musical Theatre Sequence.
- The rationale for removing the sequence is because it does not contain the rigor to prepare students for auditions into the competitive world of music performance.
- Most students who initially register as Musical Theatre majors in the School of Music eventually transfer to a major in the School of Theatre and Dance.
- Nationally, the overwhelming majority of Musical Theatre programs are housed in the theatre unit, not the music unit.

- The School of Theatre is aware of the School of Music's intent to discontinue offering the sequence and intends to submit a proposal for a new Musical Theatre program in the School of Theatre.

Questions/ Comments:

- Any student still in the current Musical Theatre sequence (a small number) will be allowed to continue their catalog through graduation. The School of Music will not accept applicants into the Musical Theatre Sequence beginning in fall 2016. Students have been advised of this change.

With no further discussion needed, Cook moved to suspend the practice of “discussion one week – action the next” and act on the proposals today, Latham seconded, and the committee approved by acclamation. (See “Proposal Action” above.)

WGS MINOR IN WOMEN'S AND GENDER STUDIES (Revise) Dustin and Latham

Mandy Dartt was present from Women's and Gender Studies. Dustin distributed a handout and presented a review of the proposal to revise the Minor in Women's and Gender Studies.

- The Women's and Gender Studies department proposes adding ENG 260 or 261 or 360 as courses that may be taken in place of the ENG 160 requirement in the minor. They have historically submitted a sub-waiver to allow these courses to fulfill the ENG 160 requirement and propose making this practice a permanent option for students.
- They have added “PHI 246 or POL 338 may be taken for the core theory requirement.” This would increase the options for students and avoid scheduling conflicts for WGS minors. POL 338 is an appropriate substitute for PHI 246 because of significant theoretical overlap.
- They are removing ECO 230 as it is no longer offered, and adding FCS 112 back into the curriculum. FCS 112 is cross-listed with HIS 112 and SOC 112 and should never have been removed.
- They are adding POL 363 as an elective as it has met the criteria of the WGS curriculum committee as a course that focuses 50% of the curriculum on WGS issues.

Questions/Comments:

- The course additions will increase enrollment numbers for the English, Politics and Government, and Women's and Gender Studies departments. Letters of concurrence have been received from English and Politics and Government.
- There is some clean-up of catalog copy to update contact information and text to more accurately describe the program.

With no further discussion needed, Cook moved to suspend the practice of “discussion one week – action the next” and act on the proposals today, Latham seconded, and the committee approved by acclamation. (See “Proposal Action” above.)

6. LIAISON REPORTS:

- a. Council on General Education – Lieberman – Nothing to report.
- b. Council for Teacher Education – Temple – Nothing to report
- c. Academic Affairs Committee – Lippert reported:
 - The Academic Affairs Committee is asking everyone to take a survey about Reggie Net. They want a better understanding of how it is used by faculty and what is thought about it. They know that there is faculty concern about having input into future changes.

- Art Munin from Student Affairs talked to the Academic Affairs Committee about the response team, faculty involvement, and moving forward in a proactive way.

7. MISCELLANEOUS:

AMALI Course Outcomes – Temple, Lieberman, and Stapleton will report at a later meeting.

Ryburn – There are no new proposals on circulation at this time.

8. STAFF REPORT: Rosenthal: Policy Revisions Based on Changes to Associate of Science Degree (A.S.)

In fall 2016, the A.S. degree will be restructured in all Illinois community colleges. Graduates with the new A.S. degree *may* not complete the IAI General Education Core Curriculum because one course from Humanities-Fine Arts and one course from Social and Behavioral Sciences will not be required.

In a November 5, 2015 webinar (<http://icsps.illinoisstate.edu/2015/11/associates-of-science-redesign-webinar/>), clear guidance was given by ICCB (Brian Durham, Deputy Director) that there was no intent to “break the compact”; the Humanities-Fine Art and Social and Behavioral Sciences requirements will need to be completed at the four-year institution if not taken at a transfer institution.

The effect for ISU is that there will be a modest increase in demand for IAI courses in the two categories and a modest reduction of demand in certain science and math classes required by majors. Evaluations staff will in the future have to check all Illinois A.S. degree holders to see if they have completed all GECC requirements. Policy 2.1.9 will have to be modified as attached. The policy change will require Senate approval.

There will be two catalog revisions required to the current 2014-2016 Undergraduate Catalog copy:
(1)

FROM:	TO:
<ul style="list-style-type: none"> • Students who have completed an A.A. or A.S. from any regionally accredited post-secondary institution or the Illinois Articulation Initiative General Education Core Curriculum (IAI GECC) at an accredited, participating Illinois college or university, will be considered to have met the Illinois State University General Education requirements. Students completing an A.A. or A.S. will also have junior class standing. Illinois State University accepts the AAT degree as a baccalaureate-oriented degree when the AAT degree includes the IAI transferable core. For more information regarding the IAI GECC visit iTransfer.org. • Transfer students who transfer credit from participating Illinois colleges or universities that satisfies some but not all requirements of the IAI GECC may satisfy Illinois State General Education requirements by completing requirements for the IAI GECC at Illinois State or by completing the University’s own General Education program. Other students must complete Illinois State’s General Education program. 	<ul style="list-style-type: none"> • Students who have completed an A.A. from any regionally accredited post-secondary institution or the Illinois Articulation Initiative General Education Core Curriculum (IAI GECC) at an accredited, participating Illinois college or university, will be considered to have met the Illinois State University General Education requirements. • Students who have completed an A.S. from an accredited, participating Illinois college or university, must complete the IAI GECC either as part of their A.S. degree or by completing the GECC at ISU or by transfer credit. All distribution requirements of each GECC category must be followed; that is, both a humanities and a fine arts course must be completed and at least two different disciplines must be represented in Social and Behavioral Sciences. • Students who have completed an A.S. from any regionally accredited post-secondary institution outside the state of Illinois will be considered to have met the Illinois State University General Education requirements. • Students completing an A.A. or A.S. will have junior class standing. Illinois State University accepts the A.A.T. degree as a baccalaureate-oriented degree when the A.A.T. degree includes the IAI transferable core. For more information regarding the IAI GECC visit iTransfer.org. • Transfer students who transfer credit from participating

	Illinois colleges or universities that satisfies some but not all requirements of the IAI GECC may satisfy Illinois State General Education requirements by completing requirements for the IAI GECC at Illinois State or by completing the University's own General Education program. Other students must complete Illinois State's General Education program.
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(2)

FROM:	TO:
<p>C. General Education: There are three ways to complete General Education requirements at Illinois State University. The first way is to complete Illinois State's General Education Program. The second way is to complete the Illinois Transferable General Education Core Curriculum available through the Illinois Articulation Initiative (IAI). This program, designed for transfer students, is a statewide agreement between participating colleges and universities and some private schools that is designed to facilitate timely degree completion. The third way is to complete a baccalaureate-oriented Associates Degree (A.A. or A.S.) from a regionally accredited post-secondary institution. The holder of an A.A. or A.S. degree is admitted to Illinois State University with junior standing and all General Education requirements completed. (see Degree Programs)</p>	<p>C. General Education: There are three ways to complete General Education requirements at Illinois State University. The first way is to complete Illinois State's General Education Program. The second way is to complete the Illinois Transferable General Education Core Curriculum available through the Illinois Articulation Initiative (IAI). This program, designed for transfer students, is a statewide agreement between participating colleges and universities and some private schools that is designed to facilitate timely degree completion. The third way is to complete a baccalaureate-oriented Associates Degree (A.A. or A.S.) from a regionally accredited post-secondary institution. For those transferring from an Illinois college or university, the A.S. degree must include the complete IAI General Education Core Curriculum (GECC) or the student must complete the GECC to fulfill Illinois State's General Education requirement.</p> <p>The holder of an A.A. or A.S. degree is admitted to Illinois State University with junior standing. (See Degree Programs.)</p>

9. **ADJOURNED:** Temple called for adjournment, the committee agreed by acclamation, and adjourned at 4:14 p.m. The next meeting will be December 2, 2015.

10. **INFORMATION:** The University Curriculum Committee Executive Secretary approved the following:

New Courses:

HIS

328 THE MODERN CIVIL RIGHTS MOVEMENT, 1933 - 1968
3 sem. hrs.

An examination of the evolution of Afro-Americans' struggle for political, social, and economic equality between 1933 and 1968. Prerequisite: HIS 135 or 136 or consent of the instructor.

IDS

204 SERVICE LEARNING: MEKNES MOROCCO
2 sem. hrs.

Students will work three hours per week at a host organization to increase language proficiency and gain valuable international experience. May be repeated; maximum of 4 hours.
Prerequisites: IDS 133A12 or concurrent registration.

New Courses (continued):

MAT

352 PROBABILITY AND STATISTICAL INFERENCE FOR EDUCATORS

4 sem. hrs.

Sample spaces, discrete and continuous random variables, distributions, Central Limit Theorem. Point and interval estimation. Hypothesis testing. Regression, analysis of variance. Not for credit if had MAT 350 or 350A01. Prerequisite: Grade of C or better in MAT 147.

MUS

322 FUNCTIONAL SKILLS FOR KEYBOARD MAJORS

2 sem. hrs.

Functional skills for pianists, with an emphasis on transposition, open score reading, harmonization and improvisation. Not for credit if had MUS 122A50. Prerequisites: MUS 220, 221, or 222, or graduate standing; MUS 135, 235, or 435.

PHI

201 INTRODUCTION TO METAPHYSICS AND EPISTEMOLOGY

3 sem. hrs.

Introduction to contemporary issues in metaphysics and epistemology and related issues in philosophy of mind and language.

204 PHILOSOPHY OF MIND

3 sem. hrs.

An examination of the mind/body problem, consciousness, self-knowledge, mental content, mental causation, personal identity and agency.

205 PHILOSOPHY OF LANGUAGE

3 sem. hrs.

An introduction to contemporary work in the philosophy of language: What is meaning? What is truth? How do we communicate?

206 METAPHYSICS

3 sem. hrs.

Introduction to contemporary metaphysics, exploring issues of existence and reality, similarity and identity, possibility and necessity, space and time.

PHY

208 ASTRONOMY AND SPACE SCIENCE SMT

3 sem. hrs.

Survey of the solar system, stars, nebulae and galaxies, with emphasis on physical processes and methods of analysis. Prerequisites: MAT 113, 120, 130 or 145 and PHY 102, 105, 108, or 110.

New Courses (continued):

TEC

258 RENEWABLE ENERGY TECHNOLOGY APPLICATIONS

3 sem. hrs.

Analysis, selection, and implementation of cost-effective renewable energy technologies including solar and wind energy. Lecture and lab. Materials charge optional. Prerequisites: TEC 111 and 160. Major or minor only or consent of the department advisor.

259 POWER GENERATION: PRODUCTION, CONVERSION AND STORAGE

3 sem. hrs.

Application of governing laws and principles to describe thermal, mechanical and electrical energy conversion and storage systems. Lecture and lab. Materials charge optional. Prerequisites: TEC 111. Major or minor only or consent of the department advisor.

Revised Courses:

ATK

(Revised title, description, and added prerequisite)

240 SOUND DESIGN 1: BEGINNING DIGITAL AUDIO

3 sem. hrs.

Developing a basic understanding of the properties and perceptions of sound, audio technologies, and their relationship to artistic applications. Formerly ART/MUS/THE 243 *SOUND DESIGN 1: PROPERTIES AND AUDIO TECHNOLOGIES*. Prerequisite: Arts Technology major or consent of the instructor.

(Changed title, description, prerequisites)

302 COMPUTER PROGRAMMING FOR CREATIVES

3 sem. hrs.

Introduction to digital audio and aesthetic principles of sound. Formerly ART/MUS/THE 350 *SOFTWARE DESIGN IN THE ARTS II*. Prerequisite: Arts Technology major or consent of the instructor.

(Revised title, description, and prerequisite)

340 SOUND DESIGN 2: ADVANCED DIGITAL AUDIO

3 sem. hrs.

Advanced digital audio and aesthetic principles of sound. Formerly ART/MUS/THE 343. Prerequisite: Arts Technology major, ATK 240, or consent of the instructor.

HSC

(Increased hours)

329 MANAGEMENT FOR THE HEALTH INFORMATION ADMINISTRATOR

6 sem. hrs.

Organization and management of personnel and processes by health information administrators. Prerequisite: RHIT-HIM Online Sequence only.

(Increased hours)

330 HEALTH DATA ANALYSIS FOR DECISION MAKING

6 sem. hrs.

Collect, analyze, and report clinical data to address administrative problems and issues. Prerequisite: RHIT-HIM Online Sequence only.

Revised Courses (continued):

HSC

(Revised description, prerequisites)

362 ERGONOMICS 3 sem. hrs.

Overview of physical and psychological aspects of ergonomics, including workstation design, accident causation, and ergonomic-related injuries and illnesses. Lecture. Prerequisites: MAT 120 or 145; PHY 105 or 108; HSC 204 or MQM 100 or ECO 138 or GEO 138 or POL 138 or PSY 138.

(Revised title, description, and prerequisites)

370 SAFETY TRAINING DEVELOPMENT 3 sem. hrs.

Principles, responsibilities, and techniques for developing, and administering an industrial safety training program, including principles of adult learning. Formerly *INDUSTRIAL SAFETY*. Prerequisite: HSC 381.

(Revised prerequisites)

372 ACCIDENT/INCIDENT INVESTIGATION, RECORDS, AND EVALUATION 3 sem. hrs.

Theory, function and application of accident/incident investigation, reporting, and analysis systems. Form design, utilization and record keeping procedures. Prerequisites: HSC 381; MAT 120 or 145; PHY 105 or 108.

(Revised prerequisites)

380 FIRE PROTECTION AND PREVENTION 3 sem. hrs.

Measures related to safeguarding human life and preservation of property in prevention, detection, and suppression of fire. Prerequisites: HSC 381; PHY 105 or 108.

(Revised prerequisites)

381 OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) 3 sem. hrs.

Interpretation of the provisions of the Occupational Safety and Health Act; the regulations, standards, and reporting requirements pursuant to it. Prerequisite: HSC 170, 271; CHE 140 or concurrent registration.

IT

(Number changed, prerequisites revised)

250 FUNDAMENTALS OF INFORMATION ASSURANCE AND SECURITY 3 sem. hrs.

Fundamental concepts in information assurance and security including planning, risk management, cryptography, network security, hardening, people, and physical security. Formerly IT 350. Prerequisites: Grade of C or better in IT 178 and 276 or concurrent registration. Major or minor only or consent of the school advisor.

(Number changed, prerequisites revised)

276 DATA COMMUNICATIONS 3 sem. hrs.

Hardware and software used in data communications and networking. Network types, architectures, protocols and standards. Local area and packet networks. Formerly IT 375. Prerequisites: Grade of C or better in IT 168; concurrent registration in IT 225 or 254. Major or minor only or consent of the school advisor.

Revised Courses (continued):

PHI

(Changed title, description, and removed prerequisites)

232 INTRODUCTION TO ETHICS

3 sem. hrs.

An introduction to ethics, including utilitarian, deontological, and virtue theories. Skills associated with analytical reading and writing are emphasized. Formerly *CLASSICAL WESTERN MORAL THEORIES*.

(Revised title and description; removed prerequisites)

254 ANCIENT PHILOSOPHY

3 sem. hrs.

This course introduces students to Ancient Greek and Roman Philosophy, focusing on reality, knowledge, the self, and the good life. Formerly *ANCIENT AND MEDIEVAL PHILOSOPHY*.

(Revised title, description, prerequisites)

305 TOPICS IN CONTEMPORARY PHILOSOPHY

3 sem. hrs.

Focuses on a topic or topics in contemporary philosophy, or on major figures in recent philosophy. May be repeated for credit if topic is different. Formerly *TOPICS IN 20TH CENTURY PHILOSOPHY*. Prerequisites: PHI 201 and 232.

(Added prerequisite)

310 TOPICS IN PHILOSOPHY OF SCIENCE

3 sem. hrs.

Examination of topics in philosophy of natural, behavioral, and/or social sciences, e.g., scientific explanation, evidence, methodology, universality, normativity, testability. May be repeated for credit if topic is different. Prerequisite: PHI 201.

(Revised title, description and added prerequisite)

315 TOPICS IN MIND AND LANGUAGE

3 sem. hrs.

Exploration of a topic within the philosophy of mind and/or language (e.g., consciousness, realism/antirealism, truth and meaning. May be repeated for credit if topic is different. Formerly *TOPICS IN PHILOSOPHY, SCIENCE, AND MIND*. Prerequisite: PHI 201.

(Added prerequisite)

330 TOPICS IN MORAL THEORY

3 sem. hrs.

Examination of fundamental issues in moral philosophy, e.g., possibility of moral knowledge, justification of value judgments, nature of moral responsibility. May be repeated for credit if topic is different. Prerequisite: PHI 232.

(Added prerequisite)

340 TOPICS IN LEGAL AND POLITICAL PHILOSOPHY

3 sem. hrs.

Intensive examination of selected topics in social, political, and legal philosophy, e.g., liberty, justice, rights, equality, community, democracy, political obligations. May be repeated for credit if topic is different. Contact the Department for availability of the topic below. Prerequisite: PHI 232.

Revised Courses (continued):

PHI

(Added prerequisites)

350 TOPICS IN THE HISTORY OF PHILOSOPHY 3 sem. hrs.

Intensive examination of an important figure, movement, or theme in the history of philosophy, e.g. Plato, British Empiricism, freewill/determinism. May be repeated for credit if topic different. See topics that follow. Prerequisites: PHI 254 and 255.

(Added prerequisite)

363 TOPICS IN METAPHYSICS AND EPISTEMOLOGY 3 sem. hrs.

Detailed examination of selected issues in contemporary metaphysics and epistemology. May be repeated for credit if topic is different. Prerequisite: PHI 201.

POL

(Revised description)

151 INTRODUCTION TO INTERNATIONAL RELATIONS 3 sem. hrs.

Survey and critical assessment of the modern international system, including state and non-state actors and major transnational issues.

TEC

(Revised description, removed lab component)

160 INTRODUCTION TO RENEWABLE ENERGY 3 sem. hrs.

An exploration of renewable energy systems, emphasizing physical principles and practical applications of various renewable energy system technologies. Lecture. Materials charge optional. Prerequisite: Major or minor only or consent of the department advisor.

(Revised title)

262 ENERGY PLANNING AND MANAGEMENT: FROM BUILDINGS TO COMMUNITIES 3 sem. hrs.

Application of the principles and practices of energy management to improve energy efficiency, sustainability, and renewable resource usage. Lecture. Formerly *ENERGY MANAGEMENT*. Prerequisites: TEC 111. Major or minor only or consent of the department advisor.

Deleted Courses:

IT

332 ADVANCED ENTERPRISE COMPUTING SYSTEMS 3 sem. hrs.

Enterprise system networking, system programming, application development, performance analysis and improvement, workload/resource management, and system security. Prerequisites: Grade of C or better in IT 261, 330 and 375. Major or minor only or consent of the school advisor.

Deleted Courses (continued):

KNR

188A01 CLINICAL PRACTICUM IN ATHLETIC TRAINING

1 sem. hr.

Introduction to the actual experience of athletic training by observation and clinical practice.

Prerequisite: KNR 188 concurrent registration.