

## UNIVERSITY CURRICULUM COMMITTEE

Minutes #14 approved (2012-2014 Undergraduate Catalog)

April 20, 2011

**Members Present:** Cook, Ferrence, Kaesberg, Kopsell, Morenus, Rosenthal, Smudde, Standard, Trefzger, Walstrom, Weilbacher

**Member Absent:** Kelly, Murphy, Walker

**Guests Present:** Mary Elaine Califf, Information Technology; Jess Ray, Office of the University Registrar

1. Morenus convened the meeting at 3:05 p.m.
2. **APPROVAL OF MINUTES #13, April 6, 2011:** Cook moved to approve the minutes as amended, Walstrom seconded, and the committee approved the minutes as amended by acclamation.
3. **PROPOSAL ACTION:**

**C&I MAJOR IN ELEMENTARY EDUCATION (Revision) Standard/Smudde**  
**BILINGUAL/BICULTURAL EDUCATION SEQUENCE (Revision)**

Morenus reported that the Department of Curriculum and Instruction was not prepared to resubmit the proposal with the corrections that were previously discussed. The proposal will be on the meeting agenda in the fall.

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**FCS HUMAN DEVELOPMENT AND FAMILY RESOURCES SEQUENCE in the**  
**MAJOR IN FAMILY AND CONSUMER SCIENCES (Revision) Standard/Weilbacher**

With no other comments, Cook moved to suspend the committee's practice of "discussion one week-action the next" and vote on the proposal today, Smudde seconded, and the committee approved by acclamation. Standard moved to approve the proposal to revise the Human Development and Family Resources Sequence in the Major in Family and Consumer Sciences, Weilbacher seconded, and the committee voted to approve the proposal by acclamation, pending completion of circulation on April 27, 2011. Catalog copy follows:

### Human Development and Family Resources Sequence:

The Human Development and Family Resources Sequence prepares students for careers such as child care provider or center director; child life specialist in hospital settings; child care resource and referral specialist; family life educator or marriage enrichment provider; extension specialist or youth program director; case worker or manager; elder services coordinator; consumer advocate; consumer relations specialist; product development consultant; or middle, junior, or high school teacher.

— 41-62 hours required.

— 11-hour core: FCS 101, 103, 200, 300.

— 30-51-hour sequence: FCS 231, 232, 233, 310, 333 and option A, B, C, or D that follows.

A. Human Development: FCS 250, 251, 307, 308, 309, 331, 398 (3 hours); SWK 323; and 12 hours from FCS 111, 212, 224, 305, 306, 314, 363.

B. Family Relationships: FCS 305, 309, 364, 398 (3 hours); SWK 323; and 15 hours from FCS 111, 212, 330, 331, 363, 394; C&I 312; HSC 390; PSY 111, 302, 303; SOC 106, 123, 211, 212, 262, 311, 341, 342, 365.

C. Consumer Services: FCS 330, 331, 364, 398 (3 hours); ECO 105; MKT 230, 231.

D. Teacher Education: FCS 102, 111, 113, 203, 250. Part of the entitlement program leading to certification by the State of Illinois for teaching grades 6-12 in Family and Consumer Sciences - Nutrition, Wellness, and Hospitality designation. See the Family and Consumer Science advisor for information about courses that count towards additional Family and Consumer Science endorsements. Twenty-four (24) hours Professional Education (see C&I Professional Education Requirements in the Undergraduate Catalog), including STT 399.

See Professional Studies Admission-Retention program found in University-Wide Professional Studies Program Requirements for admission and retention standards. Also see Family and

**Consumer Sciences Selective Admission-Retention Requirements section of this Undergraduate Catalog.**

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**IT MAJOR IN COMPUTER SCIENCE (Revision) Ferrence/Cook**  
**GENERAL COMPUTER SCIENCE SEQUENCE (Revision)**  
**ENTERPRISE COMPUTING ENGINEERING SEQUENCE (Revision)**  
**MINOR IN COMPUTER SCIENCE (Revision)**

With no other comments, Cook moved to suspend the committee's practice of "discussion one week-action the next" and vote on the Information Technology proposals today, Smudde seconded, and the committee approved by acclamation. Ferrence moved to approve the proposal for the Major in Computer Science, and General Sequence, pending amendments, Cook seconded; the committee approved the proposal by acclamation, pending changes and completion of circulation on April 27, 2011. Catalog copy follows:

**MAJOR IN COMPUTER SCIENCE**

**This degree is designed for students who wish to pursue a comprehensive study of computer science that blends theory, abstraction, and design in a variety of traditional and current areas. Graduates will be prepared 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. There are two sequences, the General Computer Science Sequence, and the Enterprise Computing Engineering Sequence, within this program. The General Computer Science sequence is designed for students who wish to pursue a broad education in computer science. The Enterprise Computing Engineering sequence is designed for students who wish to pursue both technical and practical skill in large-scale, multi-platform enterprise computing systems. The General sequence of the Computer Science program is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET).**

**General Computer Science Sequence:**

**The General Computer Science Sequence is designed 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. A minor is not required.**

- **83-85 hours required.**
- **47 hours in Information Technology required.**
- **Required courses (29 hours): IT 168, 179, 191, 225, 226, 261, 279, 327, 328, 383.**
- **6 hours of IT 398.**
- **12 hours from: IT 326, 340, 353, 354, 356, 367, 375, 378, 382, 384, 385, 388 (6 of the 12 hours must be from: IT 326, 340, 356, 378, 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 IT 391.**
- **Acceptable substitution for 6 hours of IT 398 is IT 391 and 3 additional hours from IT 326, 340, 353, 354, 356, 367, 375, 378, 382, 384, 385, 388 (if not used to satisfy other requirements).**

Ferrence moved to approve the proposal for the Enterprise Computing Engineering Sequence, Cook seconded; the committee approved the proposal by acclamation, pending completion of circulation on April 27, 2011. Catalog copy follows:

### **Enterprise Computing Engineering Sequence:**

The Enterprise Computing Engineering Sequence is designed for students who are interested in the areas of computer architecture, networking, and performance analysis and improvement of mainframe computing systems. This sequence prepares students for system programmer/analyst positions in a large scale enterprise computing environment. A minor is not required.

- 83-87 hours required.
- 47-49 hours in Information Technology required.
- Required courses (32 hours): IT 168, 179, 191, 225, 226, 261, 279, 330, 331, 332, 394.
- 6 hours of IT 398.
- 6 hours from: IT 272, 372, 378, 382, 383.
- 3 hours from: IT 326, 327, 340, 363, 382, 383, 384, 385, 388 (if not used to satisfy other requirements).
- 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 IT 391.

Ferrence moved to approve the proposal for the Minor in Computer Science and Cook seconded; the committee approved the proposal by acclamation, pending completion of circulation on April 27, 2011. Catalog copy follows:

### **MINOR IN COMPUTER SCIENCE**

This minor provides a solid foundation for using the computer as a tool in any discipline and may be of particular interest to majors in mathematics or the natural sciences. It provides an opportunity for students to gain knowledge in a specialized area such as graphics, parallel processing, or artificial intelligence.

- 22 hours required.
- IT 168, 179, 225, 226, 261, 279.
- 1 course from: IT 326, 327, 328, 340, 356, 384, 388.

## **4. PROPOSAL DISCUSSION:**

### **FCS HUMAN DEVELOPMENT AND FAMILY RESOURCES SEQUENCE in the MAJOR IN FAMILY AND CONSUMER SCIENCES (Revision) Standard/Weilbacher**

Standard distributed a handout and presented a review of the proposal to revise the Human Development and Family Resources Sequence in the Major in Family and Consumer Sciences:

- The proposed action is to add FCS 363 Bereavement, Grief and Loss to the list of elective courses for Option A and B in the Human Development and Family Resources Sequence.
- The course proposed to be added is an elective approved for the 2011 Supplement and will be offered for the first time this semester.
- There are no other changes.

Comments/Questions:

- The rationale for adding FCS 363 is that a recent survey of students and alumni found a need for some students to have more training in this area.
- There were questions about the prerequisites for FCS 363 which are FCS 250, 310, or 364. All students in the HDFR Sequence are required to take FCS 310, but only students pursuing the Human Development and Teacher Education options (A and D) are required to take FCS 250. Students pursuing the Family Relationships option (B) are not required to take FCS 250. The question was whether or not these students

would be at a disadvantage if they desired to take FCS 363 without having taken the prerequisite course FCS 250.

- The response from Keri Edwards, the initiator of the proposal, was that they selected the course because they wanted students to have some developmental knowledge and preparation beyond the core 101 course. As FCS 363 is an elective, students are not penalized for not taking it. However, for those that do, they want them to be prepared for content. Additionally, the option of “consent of instructor” allows for students to be admitted to the course based on the discretion of the instructor related to information such as other course work, work experience, etc.

The recommendation of the reviewers is approval of the proposed revisions. With no other comments Cook moved to suspend the committee’s practice of “discussion one week-action the next” and vote on the proposal today, Smudde seconded, and the committee approved by acclamation. (See “Proposal Action” above.)

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<b>IT</b>	<b>MAJOR IN COMPUTER SCIENCE (Revision)</b> <b>GENERAL COMPUTER SCIENCE SEQUENCE (Revision)</b> <b>ENTERPRISE COMPUTING ENGINEERING SEQUENCE (Revision)</b> <b>MINOR IN COMPUTER SCIENCE (Revision)</b>	<b>Ferrence/Cook</b>
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Mary Elaine Califf was present from the School of Information Technology. Ferrence distributed a handout and presented a review of the proposals to revise the Major in Computer Science, General Computer Science Sequence, Enterprise Computing Engineering Sequence and the Minor in Computer Science.

- In the General Computer Science Sequence, Enterprise Computing Engineering Sequence, and Minor in Computer Science the School of Information Technology proposes removing IT 160 as a requirement as it ends up being atypical and redundant for majors.
- In both sequences and the minor they propose adding IT 226 to compensate for observed gaps in curriculum compared to the ‘model curriculum for discipline.’
- IT 341 will be removed from the list of electives in the General Computer Science Sequence and the Minor in Computer Science to eliminate overlap with other courses.

Comments/Questions:

- Ferrence stated that the catalog copy was overhauled without detailed explanation. Although it could lead to the same coursework to degree, the requirements appear to be significantly different.
- On the proposal for the General Computer Science Sequence, the “6-12 hours from” list of courses could mean only 6 hours and the second list for “up to 6 hours” implies that it could be zero. It was decided that the list of courses would be listed as follows: 12 hours from: IT 326, 340, 353, 354, 356, 367, 375, 378, 382, 384, 385, 388 (6 of the 12 hours must be from: IT 326, 340, 356, 378, 384, 388).
- They have added a list of courses from which 3 hours may be chosen to substitute for IT 398 (along with IT 391). Those courses are also listed elsewhere (in the “12 hours from” list). Language stating “if not used to satisfy other requirements” still remains to be included.
- Califf agreed to have Ryburn make the corrections to change the catalog copy as suggested.

With no other comments or questions, Cook moved to suspend the committee’s practice of “discussion one week-action the next” and vote on the proposal today, Smudde seconded, and the committee approved by acclamation. (See “Proposal Action” above.)

## 5. LIAISON REPORTS:

- Council on General Education:** Weilbacher reported that guests from the College of Fine Arts attended the CGE meeting to present ideas to promote and garner interest in the fine arts through General Education credit for attendance at Arts events.
- Council for Teacher Education:** Morenus reported that the CTE met and nothing curricular was discussed.
- Academic Affairs Committee:** Kaesberg reported that the Credit Hour Policy moved to the Executive Committee of the Academic Senate. The Diversity Statement was approved.

**6. STAFF REPORTS:**

Ryburn reported the following courses have been approved for the list of courses that meets the Global Studies graduation requirement: ANT 278 Introduction to Asian America; ANT 294 Japanese Culture and Society; ANT 307 Japanese Diasporas, Culture, and Identity; and ANT 308 Japanese Communicative Strategies.

Rosenthal reported that the Credit Hour Policy will be before the Academic Senate for review/approval. He thinks that higher learning accreditation bodies will be asking universities to state what work is required for a three credit-hour course.

**7. INFORMATION:** The University Curriculum Committee Executive Secretary approved the following:  
New Course:

**IT**

**226 ADVANCED PRACTICAL APPLICATION DEVELOPMENT**  
3 sem. hrs.

**Practical programming tools and techniques, including event-driven programming, design patterns, testing, source-code control, software maintenance. Introduction to C++ and UNIX. Prerequisites: Grade of C or better in IT 179. Major/minor only or consent of department advisor.**

Revised Courses:

**C&I**

(changed prerequisites)

**208 LITERACY I: READING AND LANGUAGE ARTS IN THE ELEMENTARY SCHOOLS**  
3 sem. hrs.

**Study about theory and practice in teaching reading and language arts at the elementary school level. Includes satisfactory completion Clinical Experiences. Prerequisites: Elementary Education, SED, and middle level major only. Grade of C or better in ENG 101 and COM 110; 2.50 cumulative GPA; C&I 210. All sections of the State of Illinois Basic Skills Test must be passed.**

(changed prerequisites)

**209 LITERACY II: READING AND LANGUAGE ARTS IN THE ELEMENTARY SCHOOLS**  
3 sem. hrs.

**Extends students' knowledge of literacy and the use of appropriate assessment measures and instrument strategies. Includes satisfactory completion Clinical Experiences: Type 2. Prerequisites: Elementary Education, SED, and middle level major only. C&I 208.**

**FCS**

(changed title, description, prerequisites)

**306 PSYCHOSOCIAL CARE OF CHILDREN AND FAMILIES IN HEALTHCARE ENVIRONMENTS**  
3 sem. hrs.

**Application of human development theories and developmentally appropriate practices to the psychosocial care of children and families in healthcare environments. Formerly *SEMINAR IN CHILD LIFE STUDIES*. Prerequisites: FCS 250 or 251, or consent of instructor. Clinical experience required.**

**HSC**

(changed prerequisites)

**308 INTRODUCTION TO CLINICAL MICROBIOLOGY**  
4 sem. hrs.

**Survey of medical microbiology with emphasis on common pathogens. Included are taxonomy, identification, culture methods, procedures and antibiotic susceptibility testing. Lecture and lab. Materials charge optional. Prerequisite: HSC 263 and BSC 160 or 260.**

## IT

(changed prerequisites)

### 191 INTRODUCTION TO IT PROFESSIONAL PRACTICE

1 sem. hr.

Researching available positions, interpreting job descriptions, interview skills, preparing a resume, benefits of a Professional Practice experience. Prerequisites: Grade of C or better in IT 168 or 177. Major only.

(changed prerequisites)

### 279 ALGORITHMS AND DATA STRUCTURES

3 sem. hrs.

Data structures, algorithms, mathematical foundations of computer science. Topics include lists, trees, graphs, sorting, searching, correctness, computational complexity, algorithm design. Prerequisites: Grade of C or better in IT 226; MAT 160 or 260 or concurrent registration in MAT 260. Major/minor only or consent of department advisor.

(changed prerequisites)

### 383 PRINCIPLES OF OPERATING SYSTEMS

3 sem. hrs.

Functional criteria for operating system design. Job management, task management, data management, resource allocation and dump and trace facilities. Prerequisites: Grade of C or better in IT 225 and 226. Major/minor only or consent of department advisor.

Decimalized Courses:

## ART

### 351.50 SPECIAL PROJECTS IN ART: AQUEOUS MEDIA II

3 sem. hrs.

The purpose of this course is to acquaint you with the advanced materials and techniques of aqueous media painting and refreshing basic skills with traditional watercolor painting that provides a critical foundation for working with other aqueous media. Prerequisites: ART 103, 104, 109; Art major and consent of instructor.

## GEO

### 306.19 REGIONAL AND AREA STUDIES: PETROLEUM GEOLOGY OF ILLINOIS

2 sem. hrs.

Advanced undergraduate and graduate field course that will visit the oil producing areas of central and southern Illinois and adjacent Kentucky and Indiana. Primary focus is to study the structure and stratigraphy of oil bearing strata. There will be visits to active oil fields and transport and refining facilities and discussion with local professionals about all the aspects of exploration, production, transportation, refining, and distribution of oil.

### 306.20 REGIONAL AND AREA STUDIES: MIDCONTINENT TECTONICS AND SEISMOLOGY

2-3 sem. hrs.

The geologic development of the Illinois Basin and the Mississippi Embayment and their associated geologic structures and seismology.

## HIS

### 104.05 HISTORY OF ASIA, MIDDLE EAST, AFRICA, LATIN AMERICA, OR INDIGENOUS PEOPLES: SOUTH AND SOUTHEAST ASIA OC-H

3 sem. hrs.

Interdisciplinary, thematic, and chronological examination of the history of South and Southeast Asia. Not for credit if had HIS 103. Prerequisites: ENG 101 and COM 110.

**PSY**

**327.01 CULTURAL PSYCHOLOGY: LATINO/A PSYCHOLOGY**

**3 sem. hrs.**

**This course will focus on current research on the psychological functioning of Latino/as in the United States. Students will become familiar with how psychologists (and other social scientists) have investigated the behavior of Latino/as (e.g., cultural identities, belief systems, language, mental health, etc.) and the contexts for their behavior (e.g., gender, families, communities, religion, school media, etc.).**

Editorial Requests:

**KNR**

(corrected prerequisites)

**225 MOTOR DEVELOPMENT**

**3 sem. hrs.**

**Study of changes in motor behavior across the lifespan, factors affecting motor development and implications for life-long physical activity. Includes Clinical Experience: 6 hours Type 1 and 4. Formerly MOTOR DEVELOPMENT OF CHILDREN. Prerequisites: KNR 158. Major/minor only. All sections of State of Illinois Basic Skills Test passed.**

(changed prerequisites)

**245 TEACHING INDIVIDUAL/DUAL SPORTS AND ACTIVITIES**

**3 sem. hrs.**

**Content knowledge and teaching skills and various individual sports and activities. Emphasis on teaching progressions, management, assessment, and strategies. Materials charge optional. Prerequisites: Major/minor only. KNR 158.**

(changed prerequisites)

**246 TEACHING DANCE AND TUMBLING/GYMNASTICS FORMS**

**2 sem. hrs.**

**Fundamental skills and concepts of dance and tumbling/gymnastics. Safety procedures, skill development, instructional strategies, and assessment are included. Prerequisites: Major/minor only. KNR 158.**

- 8. ADJOURNED:** Ferrence moved to adjourn the meeting, Walstrom seconded; the meeting was adjourned at 4:02 p.m. by acclamation. This is the last meeting of the semester. The next meeting will be after classes resume in fall, 2011.