COUNCIL ON ACADEMIC AFFAIRS

200 Bricker Hall

February 3, 2016
3-5 p.m.

MINUTES

Attendance

Faculty:
✓ Dr. Audrey Begun (Social Work)
✓ Dr. John Buford (School of Health and Rehabilitation Sciences)
✓ Dr. Jill Bystydzienski (Women's, Gender and Sexuality Studies)
✓ Dr. Susan Hadley (Dance)
✓ Dr. Laurice Joseph (Educational Studies)
✓ Dr. Blaine Lilly (Mechanical and Aerospace Engineering), Chair
✓ Dr. Maria Miriti (Evolution, Ecology, and Organismal Biology)
✓ Dr. Celia Wills (Nursing)
✓ Dr. Henry Zerby (Animal Sciences)

Students:
✓ Mr. Mario Belfiglio (USG, Biology)
  Mr. Eugene Holowacz (CGS, Human Development and Family Science)
  Mr. Asim Hussain (IPC, Pharmacy)
✓ Ms. Yutian Tan (CGS, East Asian Languages and Literatures)
✓ Mr. Sam Whipple (USG, Economics and Political Science)

Administrator:
✓ Dr. W. Randy Smith (Academic Affairs), Vice Chair

Guests:
Mr. Zayd Abukar (College of Pharmacy)
Dr. Marc Ainger (School of Music)
Dr. David Bruenger (School of Music)
Dr. Steve Fink (College of Arts and Sciences)
Dr. Kate Hallihan (John Glenn College of Public Affairs)
Ms. Jill Hampshire (Office of Enrollment Services)
Mr. Ryan Hunt (Office of the University Registrar)
Dr. Alan Kalish (University Center for the Advancement for Teaching)
Dr. Nicole Kwiek (College of Pharmacy)

Professor Tim Leasure (School of Music)
Dr. Ed McCaul (College of Engineering)
Mr. Rand McGlaughlin (Office of the University Registrar)
Dr. Neelam Soundarajan (Department of Computer Science and Engineering)
Dr. Bernadette Vankeerbergen (College of Arts and Sciences)

The meeting came to order at 3:01 pm

COMMENTS FROM THE CHAIR—PROFESSOR BLAINE LILLY

Lilly mentioned that the Council on Academic Affairs is well-represented on the President's Provost Search Advisory Committee. Smith, Whipple, and Zerby all serve on the committee.

COMMENTS FROM THE VICE CHAIR—VICE PROVOST W. RANDY SMITH

Smith reported that the University Senate approved the following proposals at its meeting on January 21, 2016: Master of Arts degree in Film Studies; Higher Education Center for Alcohol and Drug Misuse Prevention and Recovery; Master of Health Care Innovation. The two degree programs were approved by the Board of Trustees on January 28, 2016.

The university's annual conference on assessment is on February 12, 2016 at the Fawcett Center.

Smith attended the Arts and Sciences Curriculum Committee meeting as an ex officio on January 29, 2016. It was a great reminder to see their thorough evaluation of programs and courses.

The Institute for Teaching and Learning is continuing to develop. Smith and Vice Provost Cowley met with the following groups recently: dinner with undergraduate and graduate students on January 21, 2016; lunch with academic advisors on January 29, 2016; online meeting with regional students on January 29, 2016.

Jim Rathman, Professor of Chemical and Biomolecular Engineering and former member and chair of this Council, received one of the university's Distinguished Faculty Service Awards.

SUBCOMMITTEE C—PROFESSORS JOHN BUFORD, LAURICE JOSEPH, AUDREY BEGUN; MR. ASIM HUSSAIN AND MS. YUTIAN TAN

- **Proposed Changes to BS-CIS Program – College of Arts and Sciences**

Guests: Ed McCaul, Assistant Dean, College of Engineering; Neelam Soundarajan, Associate Professor, Department of Computer Science and Engineering

The College of Arts and Sciences (ASC) proposes revisions to its Bachelor of Science in Computer and Information Science degree.

The first change is the reintroduction of the technical elective (TE) option. Under the quarter calendar, students in the Bachelor of Science—Computer and Information Science (BS-CIS) degree were required to choose a TE option from a specified set, including software systems, information and computation assurance. Students choosing a given option had to include, among their technical elective courses, a specified set of courses; each option also listed a number of recommended courses that students might choose from for the remaining technical elective hours.

The TE option had two advantages. First, a student interested in a given area, such as software systems, had clear guidance on what courses were most relevant for that area, these being the courses required for the particular TE option. Second, upon graduation, the student's transcript contained a designation, such as SoftSys, denoting the TE option that the student completed. This designation was of value, for example, to potential employers when considering the student for particular employment opportunities.

When the university moved to the semester calendar, it was not clear, for various reasons, how to translate the TE options to the semester system. Now that we are nearly four years into semesters, the Department feels that it is ready to re-offer the TE option.

The other changes deal with Electrical and Computer Engineering (ECE) and Philosophy courses taken by BS-CIS majors. If approved, four credit of hours of ECE 2000 will be replaced with three credit hours of ECE 2060 and adding one credit hour to the technical elective hours. Students who take Philosophy 1338 would no longer take CSE 2501; a student who takes one of the approved engineering ethics courses would be required to take CSE 2501; students would be advised not to take Philosophy 1337 because then they would have to take CSE 2501 and they will find the material duplicated.

The changes above have no effect on students currently in the program.

This proposal is nearly identical to the Bachelor of Science in Computer Science and Engineering proposal approved by the Council at its December 2, 2015 meeting. The main differences between the two programs are that the ASC major has a foreign language requirement and the Engineering major requires more math. The Engineering program is also accredited by the Engineering Accreditation Commission (EAC) and by the Computing Accreditation Commission (CAC), both of ABET, Inc.

Lilly moved approval of the proposal; it was seconded by Zerby and it carried in favor with one abstention.

- **Revision to the Computational Science and Engineering Minor – College of Engineering**

Guests: Ed McCaul, Assistant Dean, College of Engineering; Neelam Soundarajan, Associate Professor, Department of Computer Science and Engineering

The Department of Computer Science and Engineering (CSE) requests revisions to its minor in Computational Science and Engineering.

The only change being proposed it to replace CSE 2221 by CSE 1223 requirement of the minor; this will parallel the other two courses, CSE 1221/1222 that students may instead choose, to complete this requirement.

In addition, the department specified a number of constraints that each student's minor program must satisfy to make it consistent with the university's rules on minors. Of particular importance is the provision for engineering majors to double-count hours between the minor and their major provided the course in question is a technical elective for the major. Without this provision, it would be very difficult for majors to complete a CSE minor in a reasonable amount of time.

It was noted that there is also a minor in Computer and Information Science (CIS). The CSE minor is designed for science and engineering majors who are interested in applying computational techniques to address problems in their own major area. The CIS is best for students interested in applying computing principles and practices in another discipline.

Lilly moved approval of the proposal; it was seconded by Tan and it carried in favor with one abstention.

SUBCOMMITTEE A—PROFESSORS CELIA WILLS, SUSAN HADLEY, MARIA MIRITI; MR. SAM WHIPPLE

Guests: Marc Ainger, Associate Professor, School of Music; David Bruenger, School of Music; Tim Leasure, Associate Chair, School of Music

The School of Music proposes the creation of a new program entitled Bachelor of Science (BS) in Music. This program will have three tracks in Computer Sciences, Media and Enterprise, and Sonic Arts. If the program is approved, advertising for the program will begin in Autumn 2016 for student matriculation in Autumn 2017.

The impetus for this program comes from several sources: (1) student interest and inquiry, (2) the awareness on the part of the faculty that music is always evolving, and that the curriculum likewise needs to evolve, and (3) the understanding of both faculty and students that similar programs have existed at other universities for many years.

The BS will compromise 37 credits in its music and non-music core. 57 credits minimum will be expected in the program's General Education requirements. The remaining 27-35 credits will exist within one of the program's three tracks.

The Computer Sciences track will create a direct link between the fields of computer science and music. This track will provide students with the conceptual understanding needed to create software and

hardware musical tools (such as notational software, a program that accompanies live performers, or digital musical instruments).

The Sonic Arts track will allow students to gain an understanding of the ways in which technology influences the creation, production, and reproduction of music. The field of sonic arts has traditionally been the study of sound in media (such as computer music, film, games, and installations), but the field has expanded to include "the idea of sound as a medium in its own right." The Sonic Arts track will contain courses in recording technology, computer science, multimedia, sound installation, and music synthesis, which together explore the science and art of sound creation and manipulation. Although the Sonic Arts capstone project could include an academic paper, it most likely will be creative in natures (such as multimedia performance, a performance using a digital instrument that the student has developed, or a film or game soundtrack).

The presence and success of the School's Minor in Music, Media, and Enterprise was an impetus for the Media and Enterprise track. Like the minor, the Media and Enterprise track effectively combines courses in music, business, communications, and other arts fields to focus on the economic, social, cultural and technological factors that shape musical experience in the 21st century.

Graduates of this program have a myriad of options available to them. They will be able to pursue graduate work in a number of fields, including but not limited to, computer science, business, communication, and music technology. Graduates may also opt to work as programmers, entrepreneurs, and in various professions within the recording industry.

No resources are being requested from the college. All courses except for two already exist and are actively being taught.

There was some early concern about the number of credit hours, which seemed higher than normal. After discussion, however, it became clear that the number of credit hours is consistent with the existing Bachelor of Music at Ohio State and other programs at the university that have tracks. In addition, the school's accrediting body, the National Association of Schools of Music, has a minimum number of credits required for the music core. The demands of the program would make it difficult to double major or to add a minor. Post-semester conversion, the number of double majors within the school has plummeted.

Lilly moved approval of the proposal; it was seconded by Bystydzienski and it carried with all in favor.

SUBCOMMITTEE D—PROFESSORS BLAINE LILLY AND W. RANDY SMITH

- **Proposal to create an undergraduate minor in Pharmaceutical Sciences – College of Pharmacy**

Guests: Zayd Abukar, Academic Advisor, College of Pharmacy; Nicole Kwiek, Assistant Professor, College of Pharmacy

The College of Pharmacy proposes to create an undergraduate minor in Pharmaceutical Sciences. The college is seeking approval of the new minor with a goal of implementation in Autumn 2016.

The Pharmaceutical Sciences minor program is intended to be a flexible way for students to gain exposure to topics related to drug action and delivery. Constructed in a way that benefits both science and non-science majors, the minor will allow students of diverse backgrounds to deepen their drug knowledge as health consumers as well as help to give them an edge in their career pursuits in health care, business, research, public health, etc.

The college anticipates demand from a wide array of audiences, including but not limited to STEM/pre-health students planning to pursue graduate/professional school, business students who want to eventually work in the pharmaceutical industry, and public health students preparing to work in health policy.

The minimum number of credits for completion of the pharmaceutical sciences minor is 12 hours. The minor has one required course, Pharmacy 2500. Additionally, students must choose one course from a list of "Contemporary Issues" courses. The remaining curricular component of the minor will comprise electives which students may freely select in order to tailor their studies to their individual interested and career goals. There are enough electives that non-science students may pursue the minor without having to take a large number of prerequisites (i.e. organic chemistry).

No new courses or faculty are required for this minor. The anticipated number of students in the program is 25-50 per year. Existing courses have plenty of capacity for these new students. 95% of the existing courses are offered in person, but the college is trying to expand its online offerings.

Lilly noted that several revisions need to be made to the advising sheet. These revisions can be made after the meeting and sent to Katie Reed for official record.

Lilly moved approval of the proposal; it was seconded by Buford and it carried with all in favor.

Smith noted that the College of Pharmacy is taking a comprehensive look at its curriculum and is making changes as needed. The Council may see future proposals from the college.

GENERAL DISCUSSION

Smith convenes a group called the Academic Program Advisory Committee (APAC), which is made up of the curricular deans and others important curricular contacts. APAC is looking at the university's certificates offerings and developing criteria for these certificates. This Council will eventually review the criteria that are developed.

The Council still needs to have a discussion on closed door majors. Smith and Lilly will bring data to the Council on what programs do and do not have GPA minimums. Begun noted that closed door majors can reflect the higher admissions standards of the university. She would like the Council to hear/discuss other metrics that affect the undergraduate population, such as enrollment planning.

The Meeting adjourned at 3:38 pm

Respectfully submitted,

W. Randy Smith
Katie Reed