MINUTES
Graduate Council
January 17, 2019

Present: Ex officio: M. Gallo, R. Bonhomme
Guests: E. Fox, N. Jankowski, C. Johnston, B. Kish, S. Lazarus, R. Sippel, N. Weatherly

The meeting was called to order at 1:02 p.m.

1) CALL TO ORDER – Dr. Michael Gallo

Dr. Gallo welcomed everyone back and wished all a Happy New Year. He reminded everybody that Dr. Nick Daher was present via telephone representing Extended Studies, and said he would be working from a restructured agenda.

2) MINUTES OF THE NOVEMBER 2018 GRADUATE COUNCIL MEETING

Unanimously Approved

The minutes of the November 15, 2018 meeting were unanimously approved on a motion by Dr. E. Perez and a second by Dr. Bostater.

3) CHANGING REQUIREMENTS FOR A COURSE – AVS 6301 Fundamentals of Research in Aviation, AVS 6302 Research and Statistics, AVS 6303 Research and Statistics, AVS 6304 Survey and Qualitative Research Methodologies, AVS 6305 Readings in Aviation Research, and AVS 6310 Special Topics Seminar

All Requests Unanimously Approved

Request is made by College of Aeronautics to change the course requirements for six courses (listed above) related to the online Doctor of Aviation (AvD) program.

Dr. Gallo said the specific changes being requested consist of restricting the registration of all six courses to students who are matriculated in the program, removing the prerequisites or restrictions for two courses, and changing the grading scheme from S/U to P/F for one course. Since there were no objections, all six courses were considered collectively with one motion.

On a motion by Dr. Martinez-Diaz and a second by Dr. Bashur, the request made by College of Aeronautics to change course requirements for six courses related to the online Doctor of Aviation (AvD) program was unanimously approved.

4) CHANGING REQUIREMENTS FOR A COURSE – AHF 5302 Human-Computer
Interaction

Unanimously Approved

Request is made by College of Aeronautics to change the course description for AHF 5302 Human-Computer Interaction.

On a motion by Dr. Carstens and a second by Dr. Bostater, the request made by College of Aeronautics to change the course description for AHF 5302 Human-Computer Interaction was unanimously approved.

After the vote, Dr. Martinez-Diaz asked if course descriptions with editorial changes needed to be brought to Council for discussion. Ms. Fox, Manager of Catalog and Curriculum, responded that it would need to be brought before Council only if the changes are content-related.

5) CHANGING REQUIREMENTS FOR A COURSE – PHY 5030 Quantum Mechanics 1

Unanimously Approved

Request is made by Department of Aerospace, Physics, and Space Sciences to make MTH 5201 Mathematical Methods in Science and Engineering 1 a prerequisite—in addition to its current status as a corequisite—for PHY 5030 Quantum Mechanics 1.

Dr. J. Perez clarified that there is no need for students to be registered for MTH 5201 and PHY 5030 courses at the same time. Ms. Johnston said currently, in terms of registration, the student needs an override in the system if MTH 5201 was taken previously. Dr. Gallo stated that this request solves the registration problem.

On a motion by Dr. J. Perez and a second by Dr. Bostater, the request made by Department of Aerospace, Physics, and Space Sciences to make MTH 5201 Mathematical Methods in Science and Engineering 1 a prerequisite—in addition to its current status as a corequisite—for PHY 5030 Quantum Mechanics 1 was unanimously approved.


All Requests Unanimously Approved

Request is made by Department of Computer Engineering and Sciences to change course requirements for 15 courses (listed above).

Dr. Gallo stated the specific changes being requested were summarized on the revised agenda by course prefix: CSE and CYB. As a result, he addressed this request in two stages.
Dr. Gallo said the first stage is relative to CSE 5311, CSE 5312, and CSE 5636 that involved removing and/or adding a pre- or corequisite. Since there were no objections, Dr. Gallo requested a single motion for these three courses collectively.

On a motion by Dr. J. Martinez-Diaz and a second by Dr. E. Perez, the request made by Department of Computer Engineering and Sciences to change course requirements for the three CSE courses courses (listed above) was unanimously approved.

Dr. Gallo then introduced the second stage of the request which consisted of 12 CYB courses and asked Council to note that all of the requested changes for these 12 courses consisted of altering the pre- and/or corequisites so that the end result was the same, namely, to make CYB 5272 and CSE 5272 a pre- and/or corequisite. Since there was not an objection, Dr. Gallo requested a single motion for all courses collectively.

On a motion by Dr. Edwards and a second by Dr. Carstens, the request made by Department of Computer Engineering and Sciences to change course requirements for 12 CYB courses was unanimously approved.

7) **ADDING A NEW COURSE – PSY 6416 Applied Humanitarian Work Psychology**

*Unanimously Approved*

Request is made by School of Psychology to add new course PSY 6416 *Applied Humanitarian Work Psychology*.

Dr. Gallo said the course will be an elective course to the on-campus MS and PhD programs in I/O Psychology. In response to a question, Dr. Follette said the word “applied” in the course title implies that the coursework may have practical applications, such as students working with populations (as distinguished from theory-based coursework assignments).

On a motion by Dr. Martinez-Diaz and a second by Dr. Follette, the request made by School of Psychology to add new course PSY 6416 *Applied Humanitarian Work Psychology* was unanimously approved.

8) **CHANGING GRADUATION REQUIREMENTS – MS Degree Program in Oceanography**

*Unanimously Approved*

Request is made by Department of Ocean Engineering and Marine Sciences to change the graduation requirements for its MS degree program in Oceanography by removing the thesis option from the Coastal Zone Management specialization.

Dr. Lazarus reported that most students have sought the internship option rather than the thesis option. Also, Dr. Lazarus said due to the merger of the College of Engineering and Science, this request is intended to align programs.

On a motion by Dr. Bostater and a second by Dr. Carstens, the request made by Department of Ocean Engineering and Marine Sciences to change the graduation requirements for its MS degree program in Oceanography by removing the thesis option from the Coastal Zone Management specialization was unanimously approved.

9) **CHANGING GRADUATION REQUIREMENTS – MS Degree Program in Environmental**
Resource Management

Unanimously Approved

Request is made by Department of Ocean Engineering and Marine Sciences to change the graduation requirements for its MS degree program in Environmental Resource Management by removing the thesis option.

Dr. Lazarus said this request has the same argument as the previous just-discussed request. On a motion by Dr. Bostater and a second by Dr. Bashur, the request made by Department of Ocean Engineering and Marine Sciences to change the graduation requirements for its MS degree program in Environmental Resource Management by removing the thesis option was unanimously approved.

10) CHANGING GRADUATION REQUIREMENTS—MS Degree Program in Physics

Unanimously Approved

Request is made by Department of Aerospace, Physics, and Space Sciences to change the graduation requirements for its MS degree program in Physics by adding the existing course PHY 5088 Graduate Laboratory to its list of available subject courses.

Dr. Layne wanted to bring special attention to GP 1.6 regarding Final Program Examinations. She stressed the importance of explicitly stating a Final Program Examination requirement somewhere in the catalog description so the student clearly understands.

On a motion by Dr. J. Perez and a second by Dr. Martinez-Diaz, the request made by Department of Aerospace, Physics, and Space Sciences to change the graduation requirements for its MS degree program in Physics by adding the existing course PHY 5088 Graduate Laboratory to its list of available subject courses was unanimously approved.

11) CHANGING GRADUATION REQUIREMENTS—MA Degree Program in Professional Behavior Analysis

All Requests Unanimously Approved

Request is made by School of Behavior Analysis to change graduation requirements for its MA degree program in Professional Behavior Analysis and adding two new courses to the curriculum in support of the proposed graduation requirement changes.

Dr. Gallo addressed the proposed new courses first. The School of Behavior Analysis requested approval of new courses BEH 5040 Personalized System of Professional Improvement and BEH 5060 Applied Experience in Behavior Analysis. Since there were no objections, Dr. Gallo requested a single motion for both courses.

On a motion by Dr. E. Perez and second by Dr. Allen, the request made by School of Behavior Analysis to add courses BEH 5040 Personalized System of Professional Improvement and BEH 5060 Applied Experience in Behavior Analysis was unanimously approved.

Dr. Gallo introduced the proposed changes to the graduation requirements for the MA degree program in Professional Behavior Analysis. He asked Council to note that courses listed in the right-hand column of Tables 1 and 2 were approved at the April 2018 Graduate Council
meeting, the courses listed in the right-hand column of Tables 4 and 5 are the ones Council just approved, and that the total credits at the bottom of Table 5 on (both columns) should be 11.

Dr. Martinez-Díaz summarized that the hybrid model needed modifications to ensure that the students had the competencies to practice independently. The move is more towards a competency-based model to ensure academic integrity.

On a motion by Dr. Edwards and a second by Dr. Follette, the request made by School of Behavior Analysis to change graduation requirements for the MA degree program in Professional Behavior Analysis was unanimously approved.

12) **CHANGING GRADUATION REQUIREMENTS – Graduate Certificate Program in Flight Test Engineering**

**All Requests Unanimously Approved**

Request is made by Department of Aerospace, Physics, and Space Sciences consists of changing the graduation requirements for its Graduate Certificate program in Flight Test Engineering and adding four new courses to the curriculum in support of the proposed changes.

Dr. Gallo addressed the proposed new courses **FTE 5706 Propulsion Testing**, **FTE 5707 Hazardous Flight Test**, **FTE 5711 Airplane Performance Flight Test Conduct**, and **FTE 5712 Airplane Stability and Control Flight Test Conduct**. Since there were no objections, Dr. Gallo requested a single motion for all courses.

Dr. Kish said the emphasis on the wording “test conduct” was an ambitious idea to break into the European flight test programs and vendor markets. He said the lab fees and model provide basic training for half the cost.

On a motion by Dr. Bashur and a second by Dr. J. Perez, the request made by Department of Aerospace, Physics, and Space Sciences to approve new courses **FTE 5706 Propulsion Testing**, **FTE 5707 Hazardous Flight Test**, **FTE 5711 Airplane Performance Flight Test Conduct**, and **FTE 5712 Airplane Stability and Control Flight Test Conduct** was unanimously approved.

Dr. Gallo introduced the proposed changes to the graduation requirements for the Graduate Certificate program in Flight Test Engineering. The requested changes consisted of removing the restriction that prohibits students from applying more than two courses from the certificate program to a Florida Tech graduate degree and providing flexibility to the program by removing two current required courses—**ENM 5200 Project Engineering** and **FTE 5702 Airplane Avionics Flight Test Engineering**—and requiring students to select two courses from the list of targeted courses.

A question was raised about the origination of the restriction. Dr. Layne said that Dr. Archambault advised that the original intent was to prevent a student from completing the MS FTE degree from also obtaining the certificate without having to do any additional work. Apparently, the attitude of the aerospace faculty has changed and they are okay with a student obtaining the certificate on the way towards completing the degree without any additional effort. Dr. Gallo added that most graduate certificates serve as a stepping stone to the degree program.

On a motion by Dr. Sharaf-Eldeen and a second by Dr. Bostater, the request made by Department of Aerospace, Physics, and Space Sciences to change graduation requirements for the Graduate Certificate program in Flight Test Engineering was unanimously approved.
13) **CHANGING GRADUATION REQUIREMENTS – MS Degree Program in Software Engineering**

**All Requests Unanimously Approved**

Request is made by Department Computer Engineering and Sciences. The request consists of changing admission requirements for its MS degree program in Software Engineering, changing graduation requirements for its MS degree program in Software Engineering, and adding four new courses to the curriculum in support of the proposed changes.

Dr. Gallo addressed the proposed new courses SWE 5100 *Advanced Software Engineering*, SWE 5120 *Model-based Software Engineering*, SWE 5425 *Advanced Software Testing*, and SWE 5450 *Software Architecture and Design Methods*. Since there were no objections, Dr. Gallo requested a single motion for all courses.

On a motion by Dr. Martinez-Diaz and a second by Dr. Carstens, the request made by Department of Computer Engineering and Sciences requested approval of new courses SWE 5100 *Advanced Software Engineering*, SWE 5120 *Model-based Software Engineering*, SWE 5425 *Advanced Software Testing*, and SWE 5450 *Software Architecture and Design Methods* was unanimously approved.

Dr. Gallo introduced proposed changes to graduation requirements for the MS degree program in Software Engineering. The request consisted of removing four required courses—SWE 5001 *Software Engineering 1*, SWE 5002 *Software Engineering 2*, SWE 5411 *Software Testing 1*, and SWE 5621 *Software Metrics & Modeling*—and replacing them with the four new courses that were just approved along with CYB 5272 *Computer and Information Security*.

On a motion by Dr. Allen and a second by Dr. Edwards, the request made by Department of Computer Engineering and Sciences to change graduation requirements for the MS degree program in Software Engineering by removing four required courses—SWE 5001 *Software Engineering 1*, SWE 5002 *Software Engineering 2*, SWE 5411 *Software Testing 1*, and SWE 5621 *Software Metrics & Modeling*—and replacing them with the four new courses that were just approved along with CYB 5272 *Computer and Information Security* was unanimously approved.

Dr. Gallo introduced the last requested change, the admission requirements to the MS degree program in Software Engineering.

Dr. Allen said the only change is to the phrasing “that includes an introduction to software engineering and practices.” Ms. Fox said although a change to admission requirements does not need to be brought to Graduate Council, it is always good to have faculty review. As a result, Dr. Gallo said this request would be noted as faculty reviewed and not voted on.

14) **ANNOUNCEMENTS**

Dr. Gallo announced that the next Graduate Council meeting is February 21, 2019, and the submission deadline for materials is February 7, 2019.

With no further business, the meeting adjourned at 1:55 p.m.

Rosemary G. Layne, Ed.D.
Director of Graduate Programs