



**Graduate Board
Room 57, Stodder Hall
Thursday, September 21, 2017
Refreshments - 3:00 pm
Meeting - 3:15 pm**

AGENDA

1. Welcome/Introductions
2. Approval of the May 2017 Graduate Board minutes
3. September Curriculum Committee Report
4. Discussion of VPRDGS priorities for the 2017-18 academic year
5. New Council of Associate Deans for Research and Graduate Studies – Role and Function
6. Target X application rollout and overview of the online application module
7. Grad Advantage recruitment campaign
8. Proposal for joint MBA and PhD in Biomedical Science/Biomedical Engineering
9. Discussion of options for the Graduate Hooding Ceremony
10. Items arising

Graduate Board
Room 57, Stodder Hall
Thursday, May 11, 2017
3:00-4:00 pm

Attending: P. Aggrawal, J. Artesani, J. Ballinger, D. Bousfield, S. Cushing, S. Delcourt, K. Evans, J. Ferland, C. Gerbi, N. Hall (for J. Seale), G. Howard, N. Jacobs, S. Jain, C. Kim, M. Kinnison, G. Markowsky, S. Marrs, J. McClymer, I. Mette, K. Miner, D. Neivandt, S. Ohno, A. Rosenwasser, M. Shea, O. Smith, M. Socolow, C. Sponarski, C. Villacorta Gonzales

Graduate School: C. Burgess, L. Dupee

1. Review/approval of the April 2017 Graduate Board (GB) minutes
Motion to approve, seconded, unanimously approved.
2. May 2017 Curriculum Committee Report
S. Delcourt presented the following courses which were recommended by the Curriculum Committee at their May 9th meeting for approval by the GB.

New Courses:

FSN 555 - Organic and Natural Foods

Modifications:

FSN 512 - Current Food Safety Systems

Motion to approve, seconded, unanimously approved.

3. Short items:
 - a. Graduate Faculty and Recognition Ceremony
C. Kim reminded GB the Hooding Ceremony is being held, May 14th, and asked faculty to report downstairs near the zamboni entrance with Tammy Crosby and Tania Cody at 3:30pm.
 - b. UMaine Student Symposium (UMSS) recap and evaluation
C. Kim presented an overview of the survey results from the UMSS: 380 participants in the survey - 75% felt positively about the organization of the event; 70-75% felt positively about the layout; and respondents were overwhelmingly positive about the Cross Insurance Center venue, only 17.6% wanted the event back on campus. She encouraged GB members to submit feedback for improvements in the future.

C. Kim noted the two hour delay between the last presentation and the awards ceremony and welcomed ideas from GB and the greater UMaine community. M. Kinnison stressed the importance of oral presentations in addition to posters, to boost participation.

c. Special event

S. Delcourt recognized O. Smith and S. Bennett-Armistead who will be stepping down from the Executive Committee.

4. Introduction of new Graduate Board members

S. Delcourt asked GB members to let L. Dupee know about new members for the upcoming academic year.

5. Election of 2017-18 Executive Committee

S. Delcourt announced the current EC members who will stand for re-election: P. Agrawal, C. Isenhour, S. Jain, and M. Kinnison, and also nominated J. Artesani as the CoEHD college representative.

Motion to approve, seconded, unanimously approved.

6. Non-terminal master's degrees within PhD programs – revised draft of policy

S. Delcourt presented the current version of the policy which has been drafted in collaboration with N. Jacobs and J. McClymer.

“A program that offers a nonthesis master's degree may award that degree to a student who is matriculated in good standing in a University of Maine terminal degree program (PhD or MFA) and who has completed at least 30 graduate degree credits. Any thesis/research (xxx699) credits used for this master's degree shall not also be used for the doctoral degree. Programs may place additional requirements on the student eligibility for the master's degree.”

Motion to accept, seconded, unanimous approval.

7. State of the Graduate School – Carol Kim

C. Kim presented a summary of the outcomes from 2014-2017 at the Graduate School. She shared an overview of trends in enrollment over the past three years and strategies going forward. Combining the positions of VPR and DGS elevated the importance of the GS on campus and increased advocacy for graduate education on campus, within the UMaine System, and across the state. She identified a variety of accomplishments:

- Established new sources of graduate funding to increase the number of supported graduate lines by 38 through Research Reinvestment funds, Signature and emerging areas, and shared TA lines in Biology, Chemistry, and Physics.
- Created and updated master's degrees and established a 4+1 tuition initiative to incentivize current programs and implement new programs across units. Increased the number of 4+1 programs from 5 to 20 programs. There are currently 7 students graduating in 2017 and 7 students graduating in 2018 from 4+1 programs. She anticipated a jump in the number of students involved in 4+1 programs with the creation of new programs and full

establishment of existing programs.

- Enhanced graduate student experience by increasing the number of professional programs, professional development opportunities, IPhD community support and through further improvement of the UMaine Student Symposium.

C. Kim also shared trends of graduate enrollment and degree programs. She stated a downward trend in enrollment from 2005 to 2014 due to the elimination of the Counselor Education program and a change in administration. Conversely, from 2014 to 2016 enrollment trended upward. She attributed the increase in doctoral enrollment to increased grant activity institution wide and stated she was optimistic about the trends. She also described Master's and Certificate of Advanced Studies degrees granted has been ticking upward with doctoral degrees holding steady with the expectation of an upward trend going forward.

C. Kim identified a decrease in the number of graduate faculty in research which correlates with the removal of programs. J. Artesani stated the shift back to earning graduate credit rather than CEUs for the Literacy Education program. C. Kim discussed how the number of received graduate applications does not reflect national trends; however, the percentage of conversions have increased. She also stated that UMaine graduate stipends are amongst lowest in New England land grant institutions. She mentioned that the Graduate School has a decentralized admissions process which is different than undergraduate admissions.

C. Kim highlighted some strategies for future growth. She stated the need for more faculty; the creation and continuation of the Graduate Regional Scholarship program to reduce out-of-state tuition for students entering nonthesis programs from particular states; increasing graduate student stipend levels and the number of GAs on campus; instituting a new CRM (TargetX) to help with communication to prospective students and the Graduate School applicants; and developing new master's programs, focused on interdisciplinary connections and nonthesis options.

D. Neivandt read the following resolution thanking Carol Kim for her service as the Dean of the Graduate School:

Whereas today is the final scheduled meeting of the Graduate Board for the 2016-2017 academic year, the Graduate Board wishes to acknowledge the accomplishments of Vice President for Research and Dean of the Graduate School Dr. Carol H. Kim over the past four years.

Vice President Kim has been a strong advocate for research and graduate education both within and outside the University of Maine community. Among her many accomplishments over the last few years, we note the expansion in graduate student financial support through Signature and Emerging Area of Excellence Graduate Fellowships, Research Reinvestment Fund Fellowships, and the creation of shared teaching assistantships which are open to qualified students Graduate School wide.

With the creation of online programs leading to Master of Business Administration and a Master of Social Work, the introduction of incentives to promote enrollment in accelerated 4+1 graduate programs, as well as intensive marketing of professional master's programs, the downward trend in graduate enrollment has been reversed with graduate enrollment increasing about 10% this spring over last spring semester. Dr. Kim's commitment to diversity and inclusivity is evidenced by her leading the University of Maine's selection as a host university for the Mandela Washington Fellowships for Young African Leaders in both 2016 and 2017.

While the administrative reorganization which combined research and graduate studies represented a significant undertaking with a tremendous amount of responsibility, the University has benefitted greatly from Vice President Kim's exemplary leadership. We extend to her our very best wishes as she takes the next leadership challenge in her career and look forward to future collaboration in her new position as Associate Vice Chancellor for Academic Innovation and Partnerships.

8. Item from the Graduate Student Government –Shane Cushing
S. Cushing updated GB members with regard how GSG will be working on increasing the student activity fee through a passed referendum as a way to continue to operate at current capacity. The increase would be from \$40 to \$60 per semester with a \$5 increase per semester starting in the 2018-2019 academic year. He also stated GSG will be funding more student grants and working to improve the UMaine Student Symposium. He presented an update about the student insurance plan and how the student body voted to renew the current plan with a 10% increase, while losing some coverage. He mentioned that GSG is looking for opportunities to combine pools, perhaps with international students or other graduate students groups in the state, to increase size to gain more bids for insurance in the future. He stated that GSG has asked for an amendment to the current plan to decrease the deductible and decrease the co-pay. K. Miner gave a Board of Trustees update discussing the adoption of an inclusivity and free speech statement.
9. Items arising
S. Delcourt shared that J. Ballinger offered to work with programs to update individual websites with information regarding 4+1 programs.

S. Delcourt reminded GB members that the Constitutional ballot with several amendments was mailed out and encouraged members to return ballots as soon as possible.

Meeting adjourned 4:04pm.

From: Maine EPSCoR [mailto:maine.epscor=maine.edu@mail74.atl51.rsgsv.net]
On Behalf Of Maine EPSCoR
Sent: Friday, September 8, 2017 1:37 PM
To: Neivandt, David <DNeivandt@umche.maine.edu>; David Neivandt
<David_Neivandt@umit.maine.edu>
Subject: {Disarmed} Graduate Research Opportunities at DOE National
Laboratories

Maine EPSCoR is sharing this exciting opportunity on behalf of the
Department of Energy.

Dear Colleagues,

The Department of Energy's (DOE) Office of Science is pleased to announce
that the Office of Science Graduate Student Research (SCGSR) program is
now accepting applications for the 2017 Solicitation 2.

Applications are due 5:00pm Eastern Time on Thursday, November 16, 2017.

Detailed information about the program, including eligibility requirements
and access to the online application system, can be found at: MailScanner
has detected a possible fraud attempt from "umaine.us15.list-manage2.com"
claiming to be
<https://science.energy.gov/wdts/scgsr/<http://umaine.us15.list-manage2.com/track/click?u=141f35f25cfd5fde23d61f33a&id=b73efbf9f4&e=b939c9f2ac>>.

The SCGSR program supports supplemental awards to outstanding U.S.
graduate students to conduct part of their graduate thesis research at a
DOE national laboratory/facility in collaboration with a DOE laboratory
scientist for a period of 3 to 12 consecutive months-with the goal of
preparing graduate students for scientific and technical careers
critically important to the DOE Office of Science mission.

The SCGSR program is open to current Ph.D. students in qualified graduate
programs at accredited U.S. academic institutions, who are conducting
their graduate thesis research in targeted areas of importance to the DOE
Office of Science. The research opportunity is expected to advance the
graduate students' overall doctoral thesis/dissertation while providing
access to the expertise, resources, and capabilities available at the host
DOE laboratories/facilities. The supplemental award provides for
additional, incremental costs for living and travel expenses directly
associated with conducting the SCGSR research project at the DOE host
laboratory/facility during the award period.

The Office of Science expects to make approximately 50 awards in 2017
Solicitation 2, for project periods beginning anytime between June 4, 2018
and October 1, 2018.

Since its inception in 2014, the SCGSR program has provided support to
over 250 graduate awardees from more than 100 different universities to
conduct thesis research at 17 DOE national laboratories across the nation.

The SCGSR program is sponsored and managed by the DOE Office of Science's Office of Workforce Development for Teachers and Scientists (WDTS), in collaboration with the six Office of Science research programs offices and the DOE national laboratories/facilities, and program administration support is provided by the Oak Ridge Institute of Science and Education (ORISE).

For any questions, please contact the SCGSR Program Manager, Dr. Ping Ge, at sc.scgsr@science.doe.gov<mailto:sc.scgsr@science.doe.gov>.

U.S. Department of Energy, Office of Science

Copyright C 2017 Maine EPSCoR, All rights reserved.
You are receiving the email as part of the Maine EPSCoR mail list.

Our mailing address is:
Maine EPSCoR
5717 Corbett Hall
Room 444
Orono, Me 04469

Master of Business Administration (MBA) and PhD in Biomedical Science or Biomedical Engineering Dual Degree

The complementary knowledge and skills afforded by a dual degree in graduate business (an MBA) and a PhD in Biomedical Science or Biomedical Engineering further enable the recipient to compete and succeed in areas including, but not limited to, monetizing research, internal career advancement and business development.

The marketplace for graduate students is demanding students with both business skills and tech skills. From *Bloomberg Businessweek*, July 11, 2014.

The Graduate School of Biomedical Science and Engineering (GSBSE) and the Maine Business School (MBS) have collaborated on a Dual Degree MBA – PhD in Biomedical Science or Biomedical Engineering Program to further students' abilities to acquire these relevant skills.

1. The PhD in Biomedical Science and Biomedical Engineering. 30 credit hours total.

The PhD in Biomedical Science and Biomedical Engineering is a 30 credit graduate degree consisting of 12 required course credits and 8 course credits of electives, as well as 10 thesis/research credits. The program can be taken live or via video-conference at multiple sites around Maine.

2. The MBA is a 30 credit graduate degree consisting of 21 required credits and 9 credits of electives (soon to be 24 required credits and six credits of electives). The MBA can be taken live or via distance technology.
3. Dual MBA - PhD in Biomedical Science or Biomedical Engineering degree 48 credit hours total.

The dual degree represents a reduction in total credits versus obtaining the two degrees separately. The dual degree can be pursued via a combination of live and distance technology.

The dual degree program consists of 48 credit hours, a reduction from the 60 credits the two degrees would require if taken separately. The student's program of study would consist of the core classes in each program plus electives as explained below. It leads to two graduate degrees: an MBA and a PhD in Biomedical Science or Biomedical Engineering.

Students are required to complete the requirements for a degree in each programs. Six hours of PhD in Biomedical Science or Biomedical Engineering courses can be counted as MBA electives and six hours of MBA credits can be counted towards the PhD in Biomedical Science or Biomedical Engineering (i.e., a total of 12 credits can be double counted). As a result, a total of only 48 hours is required to complete both degrees (rather than the 60 usually required for two completely independent graduate degrees).

The PhD in Biomedical Science and Biomedical Engineering programs requires a thesis.

The MBA program does have foundation or prerequisite requirements that can be met before matriculating or while a graduate student. This foundation consists of courses in accounting, economics, and statistics. Some applicants will already meet some or all of these requirements. For those who do not, the University of Maine offers accelerated online courses in accounting (BUA 400) and economics (ECO 410) for students without prior courses in these areas. The business school requires a statistics course, but will accept a statistics course taken in the student's undergraduate major. If a student has not already had a statistics course in his or her undergraduate program, the student may take a statistics course from the University of Maine or elsewhere (online is a possibility). Once matriculated, the Business School offers non-credit tutorials in finance, marketing, and management for those who need this background knowledge.

Admission and Advising

Students will apply on the UMaine Graduate School website for the PhD in Biomedical Science or Biomedical Engineering/MBA Dual Degree by a single application. The directors (graduate coordinators) of the two programs will jointly review applications and degree progress. The two units agree to require only one standardized admissions test—either the GMAT (usually taken by MBA applicants) or the GRE (usually taken by PhD applicants).

Because the student will receive two degrees, a program of study for each degree must be developed and approved by the respective graduate coordinator or unit committee. Thus students in the dual-degree program will have two advisors, one from GSBSE and one from MBS.

Failure to complete one program

Should a student withdraw from one of the two programs, she/he can complete the other according to the full requirements of that degree program.

Programs of study

Each student's program of study will be designed to meet the requirements of both degrees in which they are enrolled. However, the dual degree program gives the student, and his or her advisor or advisory committee, some latitude to devise a program that supports the needs of the student. Sample programs of study are listed here for illustration.

For a student enrolled in the dual degree program in MBA and PhD in Biomedical Science (BMS) or Biomedical Engineering (BME), required courses are (courses are 3 credits):

<u>PhD in Biomedical Science or Biomedical Engineering (24 credits total)</u>	<u>MBA (24 credits total)</u>
--	--------------------------------------

BMS 625 Genetics (2 cr)	BUA 601 Statistical Analysis & Modeling for Organizational Operations (3 cr)
BMS 625 Biostats/Computational Biology (2 cr)	BUA 605 Creating & Capturing Value in the Digital Economy (3 cr)
BMS 625 Animal Physiology (2 cr)	BUA 609 Financial Statement Analysis (3 cr)
BMS 625 Biochemistry 2 (cr)	BUA 620 Law, Business and Society (3 cr)
INT 601 Responsible Conduct of Research (1 cr)	BUA 626 Management of Contemporary Organizations (3 cr)
BMS 690 Computational Methods in Biomedical Science (3 cr)	BUA 649 Management Policy (3 cr)
BMS Electives (8 cr)	BUA 651 Financial Management (3 cr)
BMS 699 Thesis/Research (10 cr)	One BUA elective* (3 cr)
<i>Two BUA required courses will count toward the BMS Electives for the PhD in Biomedical Engineering degree</i>	<i>Two PhD in Biomedical Engineering required courses (6 credits) will count toward the MBA degree</i>

*Note that the business school core will increase from 21 to 24 credits within the foreseeable future. At that time there will be 8 MBA core classes and no MBA elective in the dual degree.

The MBA program has rolling admissions. Students can begin the MBA program in any semester. Generally there is no proscribed sequence of courses, except:

- i. The program's capstone course (BUA 649) should be taken near the end of the program.
- ii. Course prerequisites must be completed prior to taking a course.

Students must begin the PhD in Biomedical Science or Biomedical Engineering program in the Fall. BMS 625 Foundations of Biomedical Science are to be taken in the first year of the program.

(Signers)