I. Approval of the February 25, 2010 CGS Minutes

II. Report of the Curricular Changes Subcommittee
   - New course: FMS 718, FMS 776, PHSX 792
   - Course changes: MATH 791, MATH 800, MATH 810, MATH 830, MATH 865, MATH 872, MATH 920, MATH 970

III. Retroactive Withdrawal Proposal

IV. New Business
   - Program changes to Master’s degree in Global and International Studies
   - New Graduate Certificate in Global Climate Change Studies
I. Approval of the February 25, 2010 CGS Minutes

Committee members in attendance: Bart Dean, Boone Hopkins, Caroline Jewers, Brian Laird, William Lindsey, Gwen Macpherson, Paul Mirecki, Ed Morris, Mehrangiz Najafizadeh, Kees Van der Veen

Others in attendance: Acting Associate Dean Jim Mielke, Executive Assistant Dean Rebecca Peterson, Lea Smith (COGA), Savanna Trent (COGA)

The meeting was called to order by Brian Laird at 11:04 AM.

Minutes

A motion was made and seconded to approve the January 28, 2010, minutes of the Committee on Graduate Studies as written. The motion was approved unanimously.

Report of the Curricular Changes Subcommittee

(Gwen Macpherson, reporting)

- A motion was made and seconded to approve the recommendation from the subcommittee for curricular changes to the following courses. The motion was approved unanimously.
  - New course: BIOL 804
  - Course listings: GERM 899, PUAD 836
  - *Note*
    - There was a clerical error in the agenda for the PUAD 836 justification. The correct justification was “We are adding more time in the lab for spreadsheet and statistical software work.”

Report of the Petitions & Program Changes Subcommittee

(William Lindsey, reporting)

- A motion was made and seconded to approve the Public Administration program. The motion was approved unanimously.
- A motion was made and seconded to approve the Molecular Biosciences program change proposal to add BIOL 804 as a required course for the M.A. and Ph.D. degrees. The motion was approved unanimously.
- A motion was made and seconded to approve the Molecular Biosciences program change proposal to add a requirement for students to present their research results to the entire department periodically. The motion was approved unanimously.
- A motion was made and seconded to approve the Chemistry program change proposal. The motion was approved unanimously.
  - *Note*
    - The original proposal justification stated, “…we have secured permission from the School of Pharmacy for our students to enroll in PHCH 804 (Issues of Scientific Integrity).” There was a discrepancy between this course number and title.
    - To clarify, students will enroll in either PHCH 801 (Issues in Scientific Integrity) or PHCH 804 (Interdisciplinary Seminar on Ethics in Science and Engineering). Dr. Laird confirmed this correction to the proposal’s justification via email after the CGS Meeting.

Dean’s Charges Reports

- The committee provided positive feedback in regard to the use of Blackboard for managing committee business. A survey will be provided at the end of the semester.
- The Policies, Procedures, and Awards Subcommittee’s enrollment proposal is currently under review by the Executive Council.
- The Policies, Procedures, and Awards Subcommittee’s grading policy proposal was approved at the College Academic Council’s meeting of February 9, 2010.
- The Curricular Change Subcommittee reported recommendations in regard to best practices for curricular change forms. A question could be added to the online Curricular Change Form to indicate if other
**New Business**

- Lea Smith described a new charge for retroactive withdrawal guidelines on behalf of Dean Rebecca Peterson. The Petitions & Program Changes subcommittee will discuss potential College guidelines for retroactive withdrawal requests at their next subcommittee meeting. This item will be on the agenda for discussion at the next CGS meeting of March 11, 2010.

- The Change in Graduate Requirements Approval Form will be revised and formatted to an online form in the near future. Committee members provided feedback for the questions on the form. The Petitions & Program Changes Subcommittee will draft language for question 5 to emphasize the need to consult with other departments if cross-listed courses are in the proposal.

There being no further business, the meeting was adjourned by Brian Laird at 11:41 AM.

**Upcoming Meetings**

The next meetings of the CGS Subcommittees are **Thursday, March 4, 2010**.
- Curricular Changes Subcommittee, **11:00 AM-12:30 PM, Strong 210**.
- Petitions & Program Changes, **11:30 AM – 12:30 PM, Strong 213, Graduate Studies Conference Room**.
- Policies, Procedures, and Awards, **Canceled**.

The next meeting of the Committee on Graduate Studies is **Thursday, March 11, 2010**, 11:00 AM, 210 Strong Hall.

Respectfully submitted by Savanna Trent, COGA
II. Report of the Curricular Changes Subcommittee

The Curricular Changes Subcommittee recommends the following to the CGS:

1. New courses

**FILM & MEDIA STUDIES**

**FMS 718 Anti-war Film** (3). An overview and exploration of the history of the portrayal of anti-war film and media themes to show how anti-war attitudes and political policy can be affected by positive and negative depictions of conflict. Analysis of selected films. FMS 718 and 318 will meet concurrently, though separate consultations and specific research assignments for FMS 718 are also required. LEC

**JUSTIFICATION**

This course has been successfully taught as a topic for a seminar course and is being converted to a regular course. The undergraduate section, FMS 318, is also being added as a new course.

**FMS 776 Problems in Cinematography** (3). Theory and practice of cinematography, with emphasis on creation of film, video, and digital imagery. FMS 776 meets concurrently with FMS 376; students enrolled in the graduate-level course will have separate consultations and specific research assignments. Lecture-laboratory. Prerequisite: Consent of instructor and FMS 675 or FMS 676. LEC

**JUSTIFICATION**

Cinematography is arguably one of the most important elements in film and media production. While the Department offers several courses in other technical aspects of film and media production (including post-production, sound design, and production management), we have not offered a specific course teaching cinematography. This course will improve the overall quality of student work, give them insight into a powerful tool for visual storytelling, and improve their capabilities to eventually join the professional workforce.

**PHYSICS**

**PHSX 792 Topics in Advanced Astrophysics** (3). This course will address one or more of the following advanced topics in astrophysics: high energy astrophysics, nuclear astrophysics, galactic and extragalactic astrophysics, space physics, cosmology, astrobiophysics, and the interstellar and intergalactic media (ISM/GSM). This course may be repeated for credit if topical content differs. Recommended preparation may vary depending on the topics scheduled. Prerequisite: ASTR 692 or permission of instructor. LEC

**JUSTIFICATION**

A large number of students are interested in taking more advanced level Astrophysics and this course aims at filling the gap.

2. Course changes

**MATHEMATICS**

**CHANGE: TITLE, PREREQUISITE, COURSE DESCRIPTION**

**(OLD)**

**MATH 791 Modern Algebra I** (3). This course, together with MATH 792, includes the following topics: the number system; groups, rings and fields; matrices and linear transformations; lattices; Galois Theory; linear algebras. Prerequisite: MATH 123 or equivalent. LEC
(NEW)  
**MATH 791 Modern Algebra** (3). This course includes the following topics: multiplicative properties of the integers and introductions to group theory, ring theory and field theory. Prerequisite: MATH 223 and MATH 290, or equivalent. LEC  

JUSTIFICATION  
Math 123 in the old prerequisite of Math 791 has been split into two courses, Math 223 and Math 290, and is no longer offered. Math 792 (Modern Algebra II) mentioned in the syllabus of Math 791 has been replaced by Math 790, and is no longer offered (just eliminated from the Graduate Catalog). To be consistent with these course number changes, the syllabus of Math 791 is modified accordingly.

CHANGE: TITLE  

(OLD)  
**MATH 800 Theory of Functions of a Complex Variable** (3). Cauchy’s theorem and contour integration; the argument principle; maximum modulus principle; Schwarz symmetry principle; analytic continuation; monodromy theorem; applications to the gamma function and Riemann’s zeta function; entire and meromorphic functions; conformal mapping; Riemann mapping theorem; univalent functions. Prerequisite: MATH 766 or concurrently with MATH 766. LEC  

(NEW)  
**MATH 800 Complex Analysis I** (3). Cauchy’s theorem and contour integration; the argument principle; maximum modulus principle; Schwarz symmetry principle; analytic continuation; monodromy theorem; applications to the gamma function and Riemann’s zeta function; entire and meromorphic functions; conformal mapping; Riemann mapping theorem; univalent functions. Prerequisite: MATH 766 or concurrently with MATH 766. LEC  

JUSTIFICATION  
Change course title to more accurately reflect the contents of the course.  

* Note* MATH 801 is the continuation of MATH 800. MATH 801 course title change was approved at the CGS meeting of January 14, 2010.

CHANGE: TITLE  

(OLD)  

(NEW)  
**MATH 810 Real Analysis and Measure Theory I** (3). Measurable spaces and functions. Measure spaces and integration. Extensions of set functions, outer measures, Lebesgue measure. Signed and complex measures. Differentiation of set functions. Miscellaneous additional topics and applications. Prerequisite: MATH 766. LEC  

JUSTIFICATION  
Change course title to more accurately reflect the contents of the course.  

* Note* MATH 811 is the continuation of MATH 810. MATH 811 course title change was approved at the CGS meeting of January 14, 2010.
CHANGE: PREREQUISITE

(OLD)
MATH 830 Abstract Algebra (3). A study of some structures, theorems, and techniques in algebra whose use has become common in many branches of mathematics. Prerequisite: MATH 792. LEC

(NEW)
MATH 830 Abstract Algebra (3). A study of some structures, theorems, and techniques in algebra whose use has become common in many branches of mathematics. Prerequisite: MATH 790 and MATH 791. LEC

JUSTIFICATION
Update to reflect that MATH 792 is no longer offered. MATH 790 has replaced MATH 792. Math 791-792 used to be a sequence (with Math 791 as the prerequisite for Math 792), and so the current prerequisite actually requires Math 791 implicitly. But in our new system, Math 790 (replacing Math 792) and Math 791 are independent courses.

CHANGE: TITLE

(OLD)
MATH 865 Introduction to Stochastic Processes (3). Markov chains; Markov processes; diffusion processes; stationary processes. Emphasis is placed on applications: random walks; branching theory; Brownian motion; Poisson process; birth and death processes. Prerequisite: MATH 627 and MATH 765. LEC

(NEW)
MATH 865 Stochastic Processes I (3). Markov chains; Markov processes; diffusion processes; stationary processes. Emphasis is placed on applications: random walks; branching theory; Brownian motion; Poisson process; birth and death processes. Prerequisite: MATH 627 and MATH 765. LEC

JUSTIFICATION
To establish consistency in coupled numbered courses.

CHANGE: PREREQUISITE

(OLD)
MATH 872 Multivariate Statistical Analysis (3). The multivariate normal distribution; tests of hypotheses on means and covariance matrices; estimation; correlation; multivariate analysis of variance; principal components; canonical correlation. Prerequisite: MATH 628 and either MATH 590 or MATH 792. LEC

(NEW)
MATH 872 Multivariate Statistical Analysis (3). The multivariate normal distribution; tests of hypotheses on means and covariance matrices; estimation; correlation; multivariate analysis of variance; principal components; canonical correlation. Prerequisite: MATH 628 or MATH 728, and either MATH 590 or MATH 790. LEC

JUSTIFICATION
Math 728 surpasses Math 628 in content and depth (but does not have Math 628 as a prerequisite). This is similar to the relation between Math 590 and Math 790. The missing of Math 728 from the current prerequisite of Math 872 is either an unintended oversight in the original course description of Math 872, or due to the possible nonexistence of Math 728 when Math 872 was created. Here the history is not clear.
CHANGE: PREREQUISITE

(OLD)

MATH 920 Lie Groups and Lie Algebras (3). General properties of Lie groups, closed subgroups, one-parameter subgroups, homogeneous spaces, Lie bracket, Lie algebras, exponential map, structure of semi-simple Lie algebras, invariant forms, Maurer-Cartan equation, covering groups, spinor groups. Prerequisite: MATH 791 and MATH 820. LEC

(NEW)

MATH 920 Lie Groups and Lie Algebras (3). General properties of Lie groups, closed subgroups, one-parameter subgroups, homogeneous spaces, Lie bracket, Lie algebras, exponential map, structure of semi-simple Lie algebras, invariant forms, Maurer-Cartan equation, covering groups, spinor groups. Prerequisite: MATH 766 and MATH 790 and MATH 791. LEC

JUSTIFICATION

The current prerequisite for Math 920 is not appropriate as concluded by colleagues who have good command of this subject and have been teaching this course in the recent years. It is not clear why "Math 820 Introduction to Topology" was included in the prerequisite of Math 920. The knowledge and skills of advanced calculus and linear algebra, that are crucially needed in Math 920, are taught in the sequence Math 765-766 and the course Math 790, instead of in Math 820.

CHANGE: PREREQUISITE

(OLD)

MATH 970 Analytic K-Theory (3). K0 for rings, spectral theory in Banach algebras, K1 for Banach algebras, Bott periodicity and six-term cyclic exact sequence. Prerequisite: MATH 792 and MATH 960. LEC

(NEW)

MATH 970 Analytic K-Theory (3). K0 for rings, spectral theory in Banach algebras, K1 for Banach algebras, Bott periodicity and six-term cyclic exact sequence. Prerequisite: MATH 790 and MATH 791 and MATH 960. LEC

JUSTIFICATION

Math 791-792 used to be a sequence (with Math 791 as the prerequisite for Math 792), and so the current prerequisite actually requires Math 791 implicitly. But in our new system, Math 790 (replacing Math 792) and Math 791 are independent courses. So just replacing Math 792 by Math 790 without adding Math 791 into the prerequisite is not sufficient.
III. Retroactive Withdrawal Proposal

(This topic was previously discussed by the Petitions & Program Changes Subcommittee)

You are not a candidate for retroactive withdrawal if any of the following are true:

- You are applying because you are not satisfied with the grade you earned.
- You are applying because you forgot to withdraw from the course during the term or you failed to get the instructor’s signature by the published withdrawal deadline.
- You were not aware of the withdrawal deadlines.
- You changed your mind and are now working towards a major or degree which does not require this course.
- You assumed non-academic activities which restricted your time for academic pursuit.
- You were ill or you suffered stress as the result of an accident, death, family crisis, or other crisis early enough in the semester to have withdrawn during the semester.
- You are applying because the course was outside your major field, or is not a requirement for your graduate degree, and you do not want to complete the work for that course.

If any of the above are found to be true of your case, your request for retroactive withdrawal will be denied by the College Office of Graduate Affairs and will not be reviewed by the Petitions & Program Changes Subcommittee of CGS.

You are a candidate for retroactive withdrawal if at least one of the following are true:

- You are the victim of a documented administrative error that affected your enrollment in one or more courses.
- You enrolled in KU coursework but did not attend any of your classes because you were enrolled full time at another academic institution.
- You have documentation of a serious illness that affected your ability to complete all of your coursework after the withdrawal date.
- You encountered documented extreme and unusual circumstances which a) were beyond your control, b) occurred after the withdrawal date, and c) could not have been addressed during the term in which the course(s) was taken.
- You attempted to meet or converse with the course instructor regarding coursework and course expectations on multiple occasions, but the course instructor did not respond or meet with you.
- You were not given clear expectations about what you were expected to accomplish in the course at the beginning of the semester after being permitted to enroll in the course.

Clear administrative error and non-attendance at KU will be handled by the College Office of Graduate Affairs and will not have to be reviewed by the Petitions & Program Changes Subcommittee of CGS.
IV. New Business

1. Program changes to Master’s degree in Global and International Studies

Change in Graduate Requirements Approval Form

Date Submitted: March 19, 2010
Dept/Program: Center for Global and International Studies, MA in Global and International Studies
Phone Number: 4-1120
GRADUATE Coordinator: Eric Hanley
E-mail Address: hanley@ku.edu

To be returned as a Word e-mail attachment to Leatrice Smith at (gonzo@ku.edu) and it will be forwarded to the Committee on Graduate Studies (CGS). Submission Deadlines can be found at http://www2.ku.edu/~clas/faculty/policies/.

This is a request for (please check):

__ Change in exiting degree REQUIREMENT   __ New certificate or equivalent
X New option or track within existing degree   __ Change in existing certificate or equivalent
__ Deletion of existing degree   __ Deletion of existing certificate or equivalent

I. STATE PROPOSAL IN DETAIL. List all new requirements, changes or deletions. Include current requirements and specify what is being changed (if anything).

We wish to add a new track to the existing MA program and change the degree requirements from 37 to 33 credit hours. A description of the program appears below with the new track and the proposed changes in credit hours highlighted in bold font.

The Master of Arts in Global and International Studies is a 33-credit-hour degree. All students complete two core courses, GIST 701 -Introduction to Global and International Studies and GIST 702 – Globalization, and seven graduate-level elective courses (21 credit hours). Students choose from two tracks when selecting electives:

Track A. Regional and topical specialization. Regional specializations usually correspond to one of KU’s area studies programs (African and African-American Studies, East Asian Studies, European Studies, Latin American Area Studies, Russian, East European, and Eurasian Studies). At least 9 units of course work must focus on a given region. Topical specializations might focus on such areas as gender development, international conflict, intercultural communication, international politics, globalization, international business, global urbanization, or another topic approved by the director. At least 9 units of course work must focus on a given topic.

Track B. Global institutions and policy. Students pursuing this option are required to take the following classes: LAW 974 – International Law, MGT 748 – Negotiation and Dispute Settlement, POLS 719 – American Political Institutions, POLS 789 – International Relations, and PUAD 845 – Public Management, plus four graduate-level elective courses (12 credit hours).

Thesis and Non-thesis Options. Students electing to do a thesis must complete 27 hours of formal course work and 6 hours of thesis under the supervision of a thesis supervisor. This work is to be devoted to the completion of a satisfactory MA thesis. An oral examination is held on completion of the thesis. Students electing the non-thesis track must complete an additional 6 hours of formal course work and complete written and final oral examinations over core and elective course content.

Exposure to a second language is an important part of global and international studies. Before completing the M.A. program, students must demonstrate familiarity with a language other than English. This can be done through two years of successful college-level study (either before entering the program or
concurrently) or, if the student has gained competence by other means, through certification by the appropriate language department.

II. STATE JUSTIFICATION FOR MAKING CHANGES. Give a brief, but complete, explanation of the reasons for making the proposal.

The purpose of adding the new track is to provide students with a degree track that delivers substantial knowledge about institutions and institutional interactions that affect policy at the global level. The newly proposed track would add an estimated 20 students to the program above and beyond the 10 to 12 students that are admitted to the existing track in a typical year. Much of this demand will originate from the Command and General Staff College at Ft. Leavenworth, which will supply the program with a sizable pool of students on an annual basis. A number of the courses on the proposed track will be taught at Ft. Leavenworth, with the Command and General Staff College providing space and equipment, including video feeds to the Lawrence and Edwards campuses.

The purpose of the change in degree requirements from 37 to 33 hours is to bring the M.A. program in line with those at comparable programs in the region.

III. EFFECTIVE DATE. Unless otherwise requested by the department and approved by CGS and College Assembly, the new requirements will apply to students whose KU initial term is the one immediately following final approval of the requirements.

We propose that the changes apply to student who enter our program in Fall 2010 and after.

IV. CONSULTATION WITH OTHER DEPARTMENTS/SCHOOLS OF THE UNIVERSITY. If the proposal includes requiring coursework from any other department or school within the University, written approval from the chairperson or dean of that department or school must be provided to the Graduate School.

Written approvals from the schools and departments providing courses in the new track are attached.
2. New Graduate Certificate in Global Climate Change Studies

Academic Program Proposal
Provost Summary
University of Kansas - Lawrence

<table>
<thead>
<tr>
<th>Date:</th>
<th>3/15/10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact:</td>
<td>J. Christopher Brown</td>
</tr>
<tr>
<td>School:</td>
<td>CLAS</td>
</tr>
<tr>
<td>Department:</td>
<td>Environmental Studies Program</td>
</tr>
<tr>
<td>Type of Program:</td>
<td>Graduate certificate</td>
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**Area** | **Summary**
---|---
1. Program Description and Purpose | To offer a grad certificate to graduate students completing the IGERT C-Change Program (Climate change, humans and nature in the global environment) led by Joane Nagel. The certificate will also be open to non-IGERT students. The certificate would be in “Global Climate Change Studies”.

2. Comparable programs in the state/region | **Virginia Tech**
| IGERT: Macromolecular Interfaces with Life Sciences (MILES): Oxidation Processes Certificate program requires students be enrolled in a MILES-affiliated PhD program; work with core MILES faculty; pursue research focused on oxidation processes; complete 11-13 hrs of MILES courses; participate in research or academic internships [http://www.files.chem.vt.edu/milesigert/Certification.htm](http://www.files.chem.vt.edu/milesigert/Certification.htm)

**Penn State**
| IGERT: Language and Communication Studies Certificate program is open to any student in an IGERT-affiliated program who complete the same requirements as IGERT trainees. These include completion of training in core discipline according to requirements of home department; attend weekly Common-Ground Common-Thread seminar all years or participation in IGERT; complete two-semester Mathematical Foundations sequence; in 3rd year of program, take focused coursework in secondary discipline; include cross-disciplinary thesis in dissertation. [http://www.ircs.upenn.edu/igert/program.shtml](http://www.ircs.upenn.edu/igert/program.shtml)

**SUNY - University at Buffalo**
| IGERT: Computer Science and Engineering Certificate program requires students take 4 GIScience core courses and one GIScience elective approved by advisor; demonstrate competency in the use of GIS; select PhD advisory committee chaired by member of UB |
GIS faculty; include GIS-related topic in dissertation.
http://www.geog.buffalo.edu/giscience/certificate.shtml

University of New Mexico
IGERT: Integrating Nanotechnology with Cell Biology and Neuroscience Certificate program requires students complete 15 hours of approved coursework (6 hrs of which are core INCBN courses); participation in weekly seminars.
http://www.chtm.unm.edu/incbnigert/graduate_certificate.html

3. Source(s) of articulated demand / need for this program
(Provide specific information / data)
The IGERT began in fall 2008. There is currently no official way to recognize the significant achievement and extra work carried out by these graduate students. At least 23 students will graduate under this program.

4. Proposed Curriculum
15 hours of graduate coursework:

EVRN 701 Climate Change, Ecological Change, and Social Change (3).

EVRN 702 Energy, Ecology, and Community in Kansas (3).

EVRN 720 Topics in Environmental Studies: Climates and Borders: Monarch Butterflies and Local Economies in Mexico (3).

EVRN 720 Topics in Environmental Studies: Climate Change in Greenland and the Arctic (3).

Students who are not in the IGERT program will not be able to take the two EVRN 720 courses listed above, since they are international fieldwork-based. These students will choose two other graduate level courses with significant climate change content in consultation with their advisors.

In their last semester, all students will enroll in EVRN 615: Capstone Project (3), which is designed to certify that the students have completed the following:

Submission of a paper on global climate change for presentation at a professional meeting or publication in a professional journal.

The student’s dissertation must also contain a chapter that explores the policy implications of the substantive empirical chapters of the research.

Participants must spend one summer as science policy interns in Washington, DC or other major...
science policy venues (e.g., national labs or agencies such as NCAR or NOAA).

**Additional requirement:**
Students are expected to attend regularly the biweekly C-CHANGE Colloquia that bring in outside speakers to examine the policy dimensions of various aspects of and responses to climate change.

<table>
<thead>
<tr>
<th>5. Faculty required for this program (Names, FTE for this proposed program)</th>
<th>Faculty are already assembled and working as IGERT program participants. The list of faculty can be viewed at <a href="http://web.ku.edu/~crgc/IGERT/people/faculty.html">http://web.ku.edu/~crgc/IGERT/people/faculty.html</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>6. Anticipated student enrollment</td>
<td>The IGERT program began admitting students in the fall of 2008. Students must also be admitted to a participating Ph.D. program. The IGERT program lasts for 4 years, and each year, 5-6 students enter the program. At least 23 students will have graduated with the certificate when the program ends.</td>
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<tr>
<td>7. Anticipated number of program graduates after 5 years; after 7 years</td>
<td>The IGERT program may receive additional funding to continue for additional years. If it does not, it is hoped that other graduate certificate and degree programs will be in place, modeled after the IGERT and offered by the Environmental Studies Program.</td>
</tr>
<tr>
<td>8. Additional facilities / equipment required</td>
<td>None</td>
</tr>
<tr>
<td>9. Program Review, Assessment, Accreditation aspects of the program</td>
<td>This certificate will be reviewed annually as part of the external advisory board reviews already conducted as part of the IGERT program.</td>
</tr>
<tr>
<td>10. Financing: New funding required for this program. (Identify only incremental funding in years 2 and 3) What is the source of the new funds?</td>
<td><strong>NO FUNDS ARE REQUESTED</strong></td>
</tr>
<tr>
<td></td>
<td>Salaries</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
</tr>
<tr>
<td>11. Additional comments on the utility/necessity of this program.</td>
<td>It is hoped this graduate certificate will serve as a model for the development of other graduate certificates for the Environmental Studies Program. The experiences learned will help the Program craft an eventual proposal for a series of dual-title graduate degrees between Environmental Studies and other units.</td>
</tr>
</tbody>
</table>

*When completed, this form is to be e-mailed by the College/School Dean to the Vice Provost for Academic Affairs, Lawrence Campus. A copy of the submitted form is to be e-mailed to Jenny Mehmedovic, Assistant to the Provost, Policy Office, a division of the Office of the Provost.*