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Graduate Council
Agenda—February 12, 2015
3:00 pm - Academic Affairs Conference RM 239

I. Consideration of the December 11, 2014 minutes

II. Public Comment

III. Reports

    a. Graduate Faculty Report

    b. Research Grants Report (Main, Vaughan, Atici)

    c. Policy Committee Report (Neelly, Davis, Kerby)

        i. Graduate Council Charter draft

    d. Graduate Dean's Report

IV. New Business

    a. Curriculum Proposals

College Education and Behavioral Sciences	
Consent	Revise a Course EDU 695 Advanced Topics in Education Contact: Tony Norman, tony.norman@wku.edu, 745-3061
Action	Revise a Program #0010 Doctor of Education Contact: Tony Norman, tony.norman@wku.edu, 745-3061
Action	Revise a Program #0457 MAE: Special Education for Teacher Leaders: Learning and Behavior Disorders Contact: E. Gail Kirby, gail.kirby@wku.edu, 745-3746
College Health and Human Services	
Information	Temporary Course NURS 521 Statistics in Health Care Contact: Eve Main, eve.main@wku.edu, 745-3486
Action	Revise a Course KIN 514 Lab Methods in Exercise Physiology Contact: Scott Lyons, scott.lyons@WKU.edu, 270-745-6035
Ogden College of Science and Engineering	
Action	Revise a Course GEOS 502 Geoscience Field Research Contact Person: David Keeling, david.keeling@wku.edu, 5-4555
Action	Revise a Program #072 Master of Science in Geoscience Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

V. Announcements/Adjourn

GRADUATE COUNCIL CHARTER
Western Kentucky University

Article 1: Purpose

The Graduate Council is the official representative voice of the graduate faculty and graduate students. The Graduate Council reports its policy and curriculum actions to the Dean of the Graduate School, who reports to the Provost, with recommendations for implementation or appropriate disposition. The Graduate Council informs the Faculty Senate Executive Committee on graduate curricular issues and other substantive changes.

The Graduate Council of Western Kentucky University shall:

1. Advise the Dean of the Graduate School on all matters relating to the administration of graduate education;
2. Develop research, curricular, and policy recommendations on all matters relating to graduate education including:
    a. research initiatives involving graduate faculty and graduate students;
    b. standards governing the establishment, modification and termination of all graduate programs, including cooperative graduate programs with other colleges and universities;
    c. standards governing graduate student admission, financial support, and degree completion;
    d. qualifications required for membership on the graduate faculty and participation in the graduate program, including the supervision and direction of theses and dissertations;
3. Serve as liaison between the individual colleges and the university administration.

Article II: Organization and Administration

Section 1: Membership

Graduate Council membership is comprised of three graduate faculty and one graduate student representing each of the six academic colleges at Western Kentucky University for a total of twenty-four (24) voting members. Faculty representatives must be members of the graduate faculty. Each Graduate Council member has one vote. If unable to attend, members may select an alternate member of the graduate faculty or graduate student respectively, to serve and proxy vote. Ex-officio members include the Dean of the Graduate School and one representative from the University Senate who is also a member of the graduate faculty.

Section 2: Selection and Terms

Members are selected through an election process determined by each college. The faculty representatives serve three-year terms and the graduate student representatives serve a one-year term. All terms begin July 1 through June 30.

Section 3: Meetings

Graduate Council shall meet once each month of the academic year. Meetings will be conducted under Robert's Rules of Order.

Section 4: Quorum

A quorum shall consist of a minimum of 50% of the voting members. A majority vote of the members present for a quorum shall determine all actions.

Section 5: Agenda and Minutes

Agendas for upcoming meetings will be distributed at least three business days prior to monthly meetings. Minutes of Graduate Council meetings will be recorded by a staff member of the Graduate School.

Article III: Officers

Graduate Council officers shall include a Chair and a Vice Chair. Meetings shall be presided over by the Chair. The Vice Chair presides in the absence of the Chair and is the Chair-elect. In the event that neither the Chair nor the Vice Chair can preside over a meeting, the members present may select a member to preside. The Vice Chair will be elected at the last monthly meeting of the academic year for the upcoming academic year.

Article IV: Committees

Section 1: Standing Committees

1. Executive Committee shall initiate and guide the work of the Graduate Council. Membership of the Executive Committee shall include the Chair, Vice Chair, Chair of the Program and Curriculum Committee, Chair of the Policy Committee, Chair of the Research Committee, and the Dean of the Graduate School.

2. Program and Curriculum Committee shall review graduate program and curriculum proposals and make recommendations to the full council. Membership of the Program and Curriculum Committee shall include a minimum of three council members elected by the full membership with no more than one member from each college.

3. Policy Committee shall review policy and make recommendations to the full council. Membership of the Policy Committee shall include a minimum of three council members elected by the full membership with no more than one member from each college.

4. Research Committee shall review research initiatives and make recommendations to the full council. Membership of the Research Committee shall include a minimum of three council members elected by the full membership with no more than one member from each college.

Committee Chairs are elected at the first committee meeting.

Section 2: Ad Hoc Committees

As determined by Graduate Council in consultation with the Dean of the Graduate School, the Chair of Graduate Council may form additional committees or task forces. Ad hoc committees may not exceed one year in operation.

Article V: Amendments

These Bylaws may be amended at any regular or special Graduate Council meeting, provided members receive at least five (5) working days written notice prior to such a meeting that describes the amendment and its purpose. To approve an amendment to the Bylaws, a two-thirds vote of the entire Graduate Council is required.

College of Education and Behavioral Sciences
School of Teacher Education/Educational Leadership Doctoral Program
Proposal to Revise Course Grade Type
(Consent Item)

Contact Person: Tony Norman, tony.norman@wku.edu, 745-3061

1. **Identification of proposed course**
   1.1   Course prefix (subject area) and number: EDU 695
   1.2   Course title: Advanced Topics in Education

2. **Current course grade type:** Standard Letter Grade

3. **Proposed course grade type:** Pass/Fail

4. **Rationale for revision of course grade type:** This course is typically used for EdD students in Teacher Leader or P-12 Administrative Leadership specializations to conduct "readings or special projects in education" (catalog description) or to receive credit for providing evidence that they hold current National Board Certification status. In either case, the awarding of a Pass/Fail grade seems more appropriate.

5. **Proposed term for implementation:** Fall 2015

6. **Dates of prior committee approvals**

School of Teacher Education	10/10/14
CEBS College Curriculum Committee	12/2/2014
Professional Education Council	12/10/2014
General Education Committee (if applicable)	NA
Graduate Council	
University Senate	

Revise a Program
(Action)

Date: September 29, 2014
College: Education and Behavioral Sciences
Department: Educational Leadership Doctoral Program
Contact Person: Tony Norman, tony.norman@wku.edu, 745-3061

1. Identification of program:
      1.1   Reference number: 0010
      1.2   Program title: Doctor of Education (EdD) (Educational Leadership)

2. Proposed change(s):
    2.1☐ title:
    2.2☐ admission criteria:
    2.3☐ curriculum:
    2.4☒ other: Revise policy by which EdD students may be awarded EDU 695 credit for education
                related experiences. Update policy wording.

3. Detailed program description:

Existing Program	Revised Program
Students admitted to the EdD in Educational Leadership program may apply to receive graduate credit for successful completion of the National Board Certified Teacher process. Those approved will receive up to six (6) hours of credit for EDU 695. To be eligible to receive credit, students must document that they: • have been admitted to the EdD program in either the Teacher Leader or P-12 Administrative Leadership concentration; • have completed at least 9 hours in the EdD program; and • hold current National Board Certification status. The student must submit an application form to the Doctoral Studies Leadership Council, which will consider whether to approve the application and then determine the number of EDU 695 hours to credit to the student's program. The hours may not be substituted for required (core) courses in the program. Once a recommendation for the awarding of hours for NBCT completion is approved by	Students admitted to the EdD in Educational Leadership program may apply to receive graduate credit for successful completion of the National Board Certified Teacher process. Those approved will receive up to six (6) hours of credit for EDU 695. To be eligible to receive credit, students must document that they: • have been admitted to the EdD program in either the Teacher Leader or P-12 Administrative Leadership concentration; and • ~~have completed at least 9 hours in the EdD program; and~~ • hold current National Board Certification status. Similarly, EdD students participating in the WKU-Green River Regional Educational Cooperative EdD Partnership may apply to receive up to twelve (12) hours of EDU 695 credit for successfully completing WKU-GRREC co-designed educational leadership experiences/studies. To be eligible to receive credit, students must document that they:

the Doctoral Studies Leadership Council, the student must arrange for the American Council on Education (ACE) to send an official transcript documenting the student's NBCT status to WKU's Office of Graduate Studies and Research so that the credit may be entered on the student's transcript. No charge will be assessed by WKU.	• have been admitted to the EdD program in either the Teacher Leader or P-12 Administrative Leadership concentration. In both cases, the student must submit an application form to the ~~Doctoral Studies~~ EdD Leadership Council, which will consider whether to approve the application and then determine the number of EDU 695 hours to credit to the student's program. The hours may not be substituted for required ~~(core)~~ courses in the program, and no more than 12 credit hours of EDU 695 may be listed on the student's program. For NBCT-related applicants, once a recommendation for the awarding of hours for NBCT completion is approved by the ~~Doctoral Studies~~ EdD Leadership Council, the student must arrange for the American Council on Education (ACE) to send an official transcript documenting the student's NBCT status to the WKU~~'s Office of~~ Graduate School ~~Studies and Research~~ so that the credit may be entered on the student's transcript. For WKU-GRREC partnership participants, the application approved by the EdD Leadership Council will serve as documentation for credit. No charge will be assessed by WKU for posting these credits.

4.   **Rationale:** The WKU EdD program is collaborating with the Green River Regional Education Cooperative (GRREC) to develop an EdD partnership program whereby GRREC employees and affiliates may work together on doctoral coursework and research to benefit the educational communities within GRREC and WKU's mutual areas of regional stewardship. Following an already accepted NBCT model, the EDU 695 credit process allows for WKU and GRREC to develop a credit-bearing process for these partnership experiences.

5. **Proposed term for implementation:** Fall 2015

6. Dates of committee approvals:

EDD Leadership Council	10-16-2014
CEBS Curriculum Committee	12-2-2014
Professional Education Council (if applicable)	12-10-2014
Graduate Council	
University Senate	

College of Education
School of Teacher Education
Proposal to Revise a Program (Action Item)

Contact Person: E. Gail Kirby, 745-3746

1. Identification of program:
   1.1   Current program reference number: #0457
   1.2   Current program title: Master of Arts in Education: Special Education for Teacher
            Leaders: Learning and Behavior Disorders
   1.3   Credit hours: 31-37 hours

2.   Identification of the proposed program changes: Revision of admission Standards:
   •   Revising Admission Standards to be consistent with Education Profession Standards Board
       (EPSB) approved program

3. Detailed program description:

Current Program	Proposed Program (proposed revisions are noted in bold text)
Master of Arts in Education: Special Education for Teacher Leaders: Learning and Behavior Disorders, Ref. #0457	Master of Arts in Education: Special Education for Teacher Leaders: Learning and Behavior Disorders, Ref. #0457
Admission Requirement: *(Criteria vary, depending on the student's undergraduate institution and GPA):* • Teaching certificate* and must submit a copy of the certificate or statement of eligibility with their applications. 2. Applicants who completed their initial certification program at another Kentucky institution with at least a 2.75 GPA** for all previous coursework (undergraduate and graduate) must have or be eligible for a teaching certificate* and must submit a copy of the certificate or statement of eligibility with their applications. 3. Applicants who completed their initial certification program at an accredited out-of state institution with at least a 2.75 GPA** for all previous coursework (undergraduate and graduate) must have or be eligible for a teaching certificate* and must submit a copy of the certificate or statement of eligibility with their applications.	Admission Requirement: *(Criteria vary, depending on the student's undergraduate institution and GPA):* *The Exceptional Education program area offers courses and experiences for the advanced preparation of teachers holding Learning and Behavior Disorders certification and for those seeking additional certification in Learning and Behavior Disorders.* • Teaching certificate* and must submit a copy of the certificate or statement of eligibility with their applications. 2. Applicants who completed their initial certification program at another Kentucky institution with at least a 2.75 GPA** for all previous coursework (undergraduate and graduate) must have or be eligible for a teaching certificate* and must submit a copy of the certificate or statement of eligibility with their applications. 3. Applicants who completed their initial certification program at an accredited out-of state institution with at least a 2.75 GPA** for all previous coursework (undergraduate and

Kentucky applicants whose certificates have expired may be admitted, but they may enroll for only six hours before they must apply to the EPSB for reissued certificates. After completion of six hours, a student admitted with an expired certificate must submit a copy of the re-issued certificate before being allowed to register for any additional courses. Applicants from out-of-state with expired certificates must complete the requirements for their respective states to renew their certificates and submit a copy of the reissued certificate.

***Applicants with undergraduate degrees from all other accredited universities with a GPA lower than 2.75 (undergraduate and graduate) must achieve* a GAP score of 550 or higher. The 550 score must include a GRE Verbal Reasoning score of 139 or higher, a GRE Quantitative score of 139 or higher, and a GRE Analytical Writing score of 3.5 or higher. *For GRE scores prior to August 1, 2011, a GAP score of 2200 or higher and a GRE Analytical Writing score of 3.5 or higher is required. In addition, applicants must have a valid teaching certificate in any area. A copy of the teaching certificate must be submitted with the application. GAP Score = GRE-V + GRE-Q plus undergraduate GPA multiplied by 100.*

Degree Requirements—31-37 hours

Teacher Leader Professional Education Core Courses 9-16 hours
Professional Education Component—9-16 hours
TCHL 500 Foundations of Teacher Leadership (3 hours)
TCHL 530 Curriculum Development (3 hours)
TCHL 545 Classroom Instructional Strategies (3 hours)
TCHL 555 School and Classroom Assessment (3 hours)
TCHL 559 Action Research Design (1 hour)
TCHL 560 Action Research Capstone for Teacher Leaders (3 hours)

graduate) must have or be eligible for a teaching certificate* and must submit a copy of the certificate or statement of eligibility with their applications.

Kentucky applicants whose certificates have expired may be admitted, but they may enroll for only six hours before they must apply to the EPSB for reissued certificates. After completion of six hours, a student admitted with an expired certificate must submit a copy of the re-issued certificate before being allowed to register for any additional courses. Applicants from out-of-state with expired certificates must complete the requirements for their respective states to renew their certificates and submit a copy of the reissued certificate.

***Applicants with undergraduate degrees from all other accredited universities with a GPA lower than 2.75 (undergraduate and graduate) must achieve* a GAP score of 550 or higher. The 550 score must include a GRE Verbal Reasoning score of 139 or higher, a GRE Quantitative score of 139 or higher, and a GRE Analytical Writing score of 3.5 or higher. *For GRE scores prior to August 1, 2011, a GAP score of 2200 or higher and a GRE Analytical Writing score of 3.5 or higher is required. In addition, applicants must have a valid teaching certificate in any area. A copy of the teaching certificate must be submitted with the application. GAP Score = GRE-V + GRE-Q plus undergraduate GPA multiplied by 100.*

Degree Requirements—31-37 hours

Teacher Leader Professional Education Core Courses 10-16 hours
Professional Education Component—10-16 hours
TCHL 500 Foundations of Teacher Leadership (3 hours)
TCHL 530 Curriculum Development (3 hours)
TCHL 545 Classroom Instructional Strategies (3 hours)
TCHL 555 School and Classroom Assessment (3 hours)
TCHL 559 Action Research Design (1 hour)
TCHL 560 Action Research Capstone for Teacher Leaders (3 hours)

NOTE: TCHL 540, 544, 548, 550, 554, and 558 are required for all students OR the student must pass proficiency evaluations for these courses.

Specialization Component 18 hours
SPED 518 Issues in Behavior Management (3 hours)
SPED 530 Advanced Assessment Techniques (3 hours)
SPED 531 Advanced Prescriptive Teaching (3 hours)
SPED 532 Families, Professionals, and Exceptionalities (3 hours)
SPED 533 Seminar: Curriculum in LBD (3 hours)
SPED 630 Special Education Law (3 hours)
Internship (3 hours)
SPED 595 Advanced Preparation Capstone SPED (3 hours)

Students must submit a passing score on the Praxis II PRIOR to enrollment in SPED 595 and should take SPED 595 as their final course in their program. Students currently teaching may use their current teaching position to meet this requirement IF they are teaching in the subject area and grade level for which they are seeking certification.) Students not currently teaching in a setting serving students with Learning and Behavior Disorders must complete an internship experience that consists of field experience hours in an approved setting serving students with disabilities consistent with the subject area and grade level for which they are seeking certification

Mid-Point Assessment Requirements
To ensure that all students are proficient on Advanced Level Kentucky Teacher Standards, all Critical Performances associated with the TCHL courses must be completed, even if a candidate's program of studies does not include the courses. Except for TCHL 560, which should be taken toward the end of their program, candidates are encouraged to take only 6 hours in their Specialization Component before they have taken all TCHL courses and/or uploaded all Critical Performances and have achieved an average score of 3.0 on all performances and an average score of

NOTE: TCHL 545, and TCHL 555 are required for all students OR the student must pass proficiency evaluations for these courses. TCHL 500, 530, and 560 are required for all students, and there are no proficiency evaluations that may be substituted for these courses.

Specialization Component 18 hours
SPED 518 Issues in Behavior Management (3 hours)
SPED 530 Advanced Assessment Techniques (3 hours)
SPED 531 Advanced Prescriptive Teaching (3 hours)
SPED 532 Families, Professionals, and Exceptionalities (3 hours)
SPED 533 Seminar: Curriculum in LBD (3 hours)
SPED 630 Special Education Law (3 hours)
Internship (3 hours)
SPED 595 Advanced Preparation Capstone SPED (3 hours)

Students must submit a passing score on the Praxis II PRIOR to enrollment in SPED 595 and should take SPED 595 as their final course in their program. Students currently teaching may use their current teaching position to meet this requirement IF they are teaching in the subject area and grade level for which they are seeking certification.) Students not currently teaching in a setting serving students with Learning and Behavior Disorders must complete an internship experience that consists of field experience hours in an approved setting serving students with disabilities consistent with the subject area and grade level for which they are seeking certification

Mid-Point Assessment Requirements
To ensure that all students are proficient on Advanced Level Kentucky Teacher Standards, all Critical Performances associated with the TCHL courses must be completed, even if a candidate's program of studies does not include the courses. Except for TCHL 560, which should be taken toward the end of their program, candidates are encouraged to take only 6 hours in their Specialization Component before they have taken all TCHL courses and/or uploaded all Critical

3 on dispositions. Additional course work may be required based on the assessment results. Program Completion Requirements _ Students must successfully complete TCHL560 Action Research Capstone for Teacher Leader (course grade of C or higher) and present research results in an approved venue _Students must achieve a minimum 3.0 cumulative GPA overall and in program course work.	Performances and have achieved an average score of 3.0 on all performances and an average score of 3 on dispositions. Additional course work may be required based on the assessment results. Program Completion Requirements _ Students must successfully complete TCHL560 Action Research Capstone for Teacher Leader (course grade of C or higher) and present research results in an approved venue _Students must achieve a minimum 3.0 cumulative GPA overall and in program course work.

4. **Rationale for the proposed program change:**
   The Special Education faculty must revise Admission Standards to be consistent with Education Profession Standards Board (EPSB) approved program. These changes will not change the framework of the Teacher Leader program.

5. **Proposed term for implementation and special provisions (if applicable):** Spring, 2015

6. **Dates of prior committee approvals:**

   School of Teacher Education   December 10, 2014

   College Curriculum Committee   December 10, 2014

   Professional Education Council   December 10, 2014

   Graduate Council

   University Senate

Course Description: Fundamental statistical concepts and techniques addressed include levels of measurement, measurement reliability and validity, and common statistical techniques. The emphasis will be on statistics used in health care research to improve clinical outcomes.

Course Objectives: Upon completion of this course, the student will be able to:
1. Demonstrate understanding and application of descriptive/inferential statistics in health care research.
2. Interpret statistical results and identify clinical outcomes.
3. Critique current health care research for appropriate statistical application.

Course Number: NURS 521

Course Title: Statistics in Health Care

Course Credit: 3 hours

Prerequisite(s): None

Location and Hours: TBA

Faculty: Dr. XXXXX XXXXXXX
           Office: XXXXXXX; e-mail: XXXXXX

MSN Program Outcomes	Course Objectives
Demonstrate proficiency in the utilization of research and quality improvement, including problem identification, awareness of outcomes, evaluation, and dissemination of research.	• Demonstrate understanding and application of descriptive/inferential statistics in health care research. • Critique current health care research for appropriate statistical application.
Integrate theory and research from nursing and related disciplines as a foundation for advanced practice.	• Demonstrate understanding and application of descriptive/inferential statistics in health care research. • Interpret statistical results and identify clinical outcomes.
Integrate theoretical knowledge of health promotion and maintenance and illness/disease prevention to achieve optimal health.	• Interpret statistical results and identify clinical outcomes.

DNP Program Outcomes	Course Objectives
Critically appraise theoretical concepts and knowledge from nursing and other disciplines and integrate this evidence in developing, implementing,	• Demonstrate understanding and application of descriptive/inferential statistics in health care research.

and evaluating best practices for improved health outcomes.	• Interpret statistical results and identify clinical outcomes. • Critique current health care research for appropriate statistical application.
Develop, integrate, and evaluate evidence-based health care innovations while considering cultural, economic, ethical, legal, political, and technological issues across diverse health systems and models.	• Interpret statistical results and identify clinical outcomes. • Critique current health care research for appropriate statistical application.
Analyze and apply advanced nursing practice concepts of clinical prevention and health promotion to improve health outcomes in relevant populations.	• Interpret statistical results and identify clinical outcomes. • Critique current health care research for appropriate statistical application.

Required Textbook: Grove, S. K. (2011). *Statistics for Health Care Research*. St. Louis, MO: Saunders Elsevier.

Instructional Methods: This course will be taught using a variety of instructional teaching methods. Students will have assigned readings and activities; discussions, critiques, and/or other online methods.

Course Outline:

    I.   Preliminary Analyses of Data
        a. Level of Measurement
        b. Descriptive Statistics
        c. Percentages, Percentile, Histograms, and Line Graphs
   II.   Probability and Nonprobability Sampling Methods
  III. Understanding the Sampling Section
        a. Sample criteria
        b. Sample size
        c. Refusal rate
        d. Mortality rate
  IV. Validity and Reliability
   V. Statistical Techniques to Compare Groups
        a. Non-parametric Statistics
        b. *t*-tests
        c. Analysis of Variance
  VI. Statistical Techniques to Explore Relationships Among Variables
        a. Pearson's Product-Moment Correlation Coefficient
        b. Partial and Multiple Correlations
        c. Simple Linear Regression
        d. Multiple Linear Regression

Course Evaluation:

Application Assignments (8 @ 10 pts each)	80 pts
Article Critiques (2 @ 25 pts each)	50 pts
Midterm Examination	100 pts

Final Examination	100 pts	
	Total possible pts	330 pts

Communication:
Handouts, assignments, and examinations will be posted on the course section for the class. Email messages will be sent to individuals and groups of students via Blackboard. It is the student responsibility to check their WKU email account once every 24 hours for emails and notifications, as well as making sure that their email inbox is not full. Grades will be posted at Grade Center on the course Blackboard Site.

Course Policies:
Academic policies found in the SON Graduate Handbook, the DNP Handbook and the WKU Graduate Catalog will be followed in this course.
- APA 6th edition format is required for written assignments
- Student is responsible for keeping a copy of written assignments submitted to faculty for grading
- Student is to submit all papers electronically in the assignment link provided in Blackboard unless instructed otherwise. Students are required to meet pre-established deadlines for assignments unless **PRIOR** arrangements have been made with faculty.

Technical Support
The phone number for technical support is 270-745-7000. Since this course is web-based, there may be an occasion(s) in which students cannot avoid technical difficulties. If you are have technical difficulties that interfere with the submission of a timely assignment, you must notify the course instructor via email prior to the deadline.

Student Accessibility Resource Center
In compliance with university policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Office for Student Disability Services in the first floor of the Downing Student Union, Room 1074. The phone number is 270.745.5004 and the email address is sarc@wku.edu.

Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services.

Counseling & Testing Center: provides counseling for students face-to-face
http://www.wku.edu/heretohelp/ but also the Outreach Services offers a "Here to Help" web form where you can ask questions online and have them answered. They also have a 24 hour Help Line for emergencies at 270-843-4357.

The Health Sciences Librarian for CHHS is Dr. Carol Watwood 270-745-3912 or carol.watwood@wku.edu

Class Attendance / Participation: Active participation in the class is expected.

Faculty reserves the right to make changes in the syllabus including adding or subtracting assignments or changing due dates if, in the opinion of the instructor, changes will improve the course or enhance student learning. An updated syllabus will be reviewed with the class and posted on the class blackboard site in such an event.

**Revise a Course
(Action)**

Date: 12/08/2014
College, Department: College of Health & Human Services; School of Kinesiology, Recreation & Sport
Contact Person: Scott Lyons, Scott.Lyons@wku.edu, 270-745-6035

1. **Identification of course**
    1.1   Course prefix and number: KIN 514
    1.2   Course title: Lab Methods in Exercise Physiology

2. **Proposed change(s):**
    2.1   course number:
    2.2   course title:
    2.3   credit hours:
    2.4   grade type:
    2.5   prerequisites: **Current**: Graduate standing and acceptance into the Physical Education
            graduate program. **Proposed**: none
    2.6   corequisites:
    2.7   course description:
    2.8   other:

3. **Rationale for revision of course:** The proposed revision aligns the course with other KIN prefix
    courses. Graduate standing is a general assumption for graduate courses and is not listed for any
    other KIN prefix courses, except KIN 598. The reference to acceptance into the Physical Education
    program is old terminology, as the master's degree name was previously changed from Physical
    Education to Kinesiology; this language is not listed for any other KIN prefix courses, except KIN 598.

4. **Term of implementation:** Fall 2015

5. **Dates of committee approvals:**

School of Kinesiology, Recreation & Sport	12/08/2014
CHHS Graduate Curriculum Committee	01/26/2015
Graduate Council	
University Senate	

**Course revision proposals require a <u>Course Inventory Form</u> be submitted by the College Dean's office to
the Office of the Registrar.*

Proposal to Revise a Course
(Action)

Date: November 14, 2014
Ogden College, Department of Geography and Geology
Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

7. Identification of course
- 1.3 Course prefix (subject area) and number: GEOS 502
- 1.4 Course title: Geoscience Field Research

8. Proposed change(s):
- 8.1 Course number: No change
- 8.2 Course title: Geoscience Research Methods
- 8.3 Credit hours: Variable 1-4 hours
- 8.4 Grade type: Standard letter grading
- 8.5 Prerequisites: GEOS 500
- 8.6 Corequisites: None
- 8.7 Course description: An introduction to research techniques and methodology appropriate to the thesis project.
- 8.8 Other: N/A

9. **Rationale for revision of course:** Many thesis projects do not require intensive field-based research experience, but each project does require appropriate techniques and methods to support specific thesis research. This course is revised to allow for variable credit (1-4 hours) in research methods, with 1 hour required in the Spring semester for first-year students to ensure that the thesis proposal contains the appropriate techniques and methods. Additional credit of up to three hours may be earned during the second year of the program.

10. Term of implementation: Fall 2015

11. Dates of committee approvals:

Department of Geography and Geology	**11/14/2014**
Ogden College Graduate Curriculum Committee	**01/23/2015**
Graduate Council	
University Senate	

*Course revision proposals require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar.

Proposal Date: 11/14/2014

Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Revise a Program
(Action Item)

Contact Person: David Keeling   e-mail: david.keeling@wku.edu   Phone: 5-4555

1. **Identification of program**
    1.1   Program Reference Number: 072
    1.2   Current Program Title: Master of Science in Geoscience
    1.3   Credit hours: 30 hours

2. **Identification of the proposed program changes:**
    - Core program requirements are revised to improve efficiency and time to program completion.
    - A separate methods course is not necessary, as each thesis project is unique, so these courses have been reincorporated into the concentration cluster options.
    - A 1-hour Research Methods II course is added to the core.
    - Wording is changed on how students may select their 15 hours of electives.

3. **Detailed program description:**

Current Program	Proposed Program
MS Geoscience Thesis Program (30 hours)	MS Geoscience Thesis Program (30 hours)
Admission Requirements: * GRE score, with a minimum 3.5 score on the GRE Analytical Writing component, and a 3.0 overall under-graduate GPA. * Minimum of 18 hours of science courses at the undergraduate level, preferably in the geosciences. * A one-page statement of research interests. * Written evidence of an agreement from a graduate faculty member in the Department of Geography and Geology willing to supervise the proposed research project. ** Passing grade (C or higher) in an introductory GIS course (GEOG 316/317) and in Spatial Data Analysis (GEOG 391) at the under-graduate level - students can take these courses as preparatory courses if they have not previously taken these courses. If taken as a graduate student, a grade of "B" or better is required.	**Admission Requirements:** * GRE score, with a minimum 3.5 score on the GRE Analytical Writing component, and a 3.0 overall under-graduate GPA. * Minimum of 18 hours of science courses at the undergraduate level, preferably in the geosciences. * A one-page statement of research interests. * Written evidence of an agreement from a graduate faculty member in the Department of Geography and Geology willing to supervise the proposed research project. ** Passing grade (C or higher) in an introductory GIS course (GEOG 316/317) and in Spatial Data Analysis (GEOG 391) at the undergraduate level - students can take these courses as preparatory courses if they have not previously taken these courses. If taken as a graduate student, a grade of "B" or better is required.

Program Core ~~17-18 hours~~	Program Core **15 hours**
GEOS 500 Geoscience Research 4	GEOS 500 Geoscience Research 4
GEOS 520 Geo Stats Methods 4	**GEOS 502 Research Methods 1**
	GEOS 520 Geo Stats Methods 4
~~Students choose one of the following methods courses based on their Research Concentration: 3-4~~	GEOS 599 Research Thesis 6
	Concentration Electives** **15 hours**
~~Physical:~~	
~~GEOS 502 Field Research 4~~	**15 hours of graduate coursework selected from the following electives and approved by the thesis director. Students may select appropriate courses from any of the course clusters:**
~~Geographic Information Science:~~	
~~GEOS 523 Urban GIS Apps 4~~	
~~Cultural:~~	
~~GEOS 530 Cultural Environment:~~ 4	
~~GEOS 587 Law and Policy 3~~	Physical Science **Cluster**:
~~Climate:~~	**GEOG 502 Research Methods 3**
~~GEOS 555 Global Change 3~~	GEOS 510 Research Topics 3
	GEOS 515 Remote Sensing 4
GEOS 599 Research Thesis 6	GEOS 521 Geomorphology 3
	GEOS 559 Hydrological Fluid 3
Concentration Electives** ~~12-13 hrs~~	GEOS 566 Karst Geoscience 3
~~At least 12 hours of graduate course work in the specified Research Concentration approved by the thesis director and selected from the following electives:~~	GEOS 595 Geoscience Practicum 3
	GEOG 427G Water Resources 3
	GEOG 428G Applied Groundwater 3
	GEOL 4xxG Any Geology course 3
~~CONCENTRATION~~	
~~Physical Science:~~	Cultural Science **Cluster**:
GEOS 510 Research Topics 3	GEOS 501 Geoscience Development 3
GEOS 515 Remote Sensing 4	GEOS 507 Concepts/Skills for Teach 3
GEOS 521 Geomorphology 3	GEOS 510 Research Topics 3
GEOS 559 Hydrological Fluid 3	GEOS 525 Political Geography 3
GEOS 566 Karst Geoscience 3	**GEOS 530 Cultural Geography 3**
GEOS 595 Geoscience Practicum 3	GEOS 534 Historic Preservation 3
GEOG 427G Water Resources 3	GEOS 540 Regional Geography 3
GEOG 428G Applied Groundwater 3	GEOS 550 Economic Geography 3
GEOL 4xxG Any Geology course 3	GEOS 580 Urban Geography 3
	GEOS 585 Population Geography 3
~~CONCENTRATION~~	GEOS 595 Geoscience Practicum 3
~~Cultural Science:~~	GEOG 451G Geography Kentucky 3
GEOS 501 Geoscience Development 3	
GEOS 507 Concepts/Skills for Teach 3	**G.I. Science Cluster**:
GEOS 510 Research Topics 3	GEOS 510 Research Topics 3
GEOS 525 Political Geography 3	GEOS 515 Remote Sensing 4
GEOS 534 Historic Preservation 3	GEOS 517 Spatial Databases 3
GEOS 540 Regional Geography 3	**GEOS 523 Urban GIS Applications 4**
	GEOS 577 Special Topics GIS 3
	GEOS 584 Advanced Planning 3

GEOS 550 Economic Geography   3
GEOS 580 Urban Geography   3
GEOS 585 Population Geography   3
GEOS 595 Geoscience Practicum   3
GEOG 451G Geography Kentucky   3

~~CONCENTRATION~~
~~Geographical Information Science~~:
GEOS 510 Research Topics   3
GEOS 515 Remote Sensing   4
GEOS 517 Spatial Databases   3
GEOS 577 Special Topics GIS   3
GEOS 584 Advanced Planning   3
GEOS 590 Experimental Design   3
GEOS 595 Geoscience Practicum   3
GEOG 417G GIS Analysis   3
GEOG 419G GIS Programming   3

~~CONCENTRATION~~
~~Environmental Science~~:
GEOS 505 Biogeography   3
GEOS 506 Environment Seminar   3
GEOS 510 Research Topics   3
GEOS 515 Remote Sensing   4
GEOS 543 Env Science Concepts   3
GEOS 544 Environmental Ethics   3
GEOS 571 Quality of Life   3
GEOS 595 Geoscience Practicum   3
GEOG 474G Environment Planning   3
GEOL 415G Environmental Geology   3

~~CONCENTRATION~~
~~Climate Science~~:
GEOS 510 Research Topics   3
GEOS 515 Remote Sensing   4
GEOS 522 Physical Climatology   3
GEOS 533 Synoptic Meteorology   3
GEOS 535 Dynamic Meteorology II   3
GEOS 537 Mesoscale Meteorology   3
GEOS 538 Physical Meteorology   3
GEOS 539 Atmospheric Modeling   3
GEOS 595 Geoscience Practicum   3
GEOG 424G Weather Analysis   3

** A maximum of six hours of advisor-approved electives that are consistent with the student's ~~Research Concentration interests~~ may be selected from other

GEOS 590 Experimental Design   3
GEOS 595 Geoscience Practicum   3
GEOG 417G GIS Analysis   3
GEOG 419G GIS Programming   3

Environmental Science **Cluster**:
GEOS 505 Biogeography   3
GEOS 506 Environment Seminar   3
GEOS 510 Research Topics   3
GEOS 515 Remote Sensing   4
GEOS 543 Env Science Concepts   3
GEOS 544 Environmental Ethics   3
GEOS 571 Quality of Life   3
GEOS 587 Env. Law and Policy   3
GEOS 595 Geoscience Practicum   3
GEOG 474G Environment Planning   3
GEOL 415G Environmental Geology   3

Climate Science **Cluster**:
GEOS 510 Research Topics   3
GEOS 515 Remote Sensing   4
GEOS 522 Physical Climatology   3
GEOS 533 Synoptic Meteorology   3
GEOS 535 Dynamic Meteorology II   3
GEOS 537 Mesoscale Meteorology   3
GEOS 538 Physical Meteorology   3
GEOS 539 Atmospheric Modeling   3
GEOS 555 Global Climate Change   3
GEOS 595 Geoscience Practicum   3
GEOG 424G Weather Analysis   3

** A maximum of six hours of advisor-approved electives that are consistent with the student's Research **Focus** may be selected from other departments.

depart-ments ~~or from other Geoscience concentrations~~		PROGRAM TOTAL	30 hours
PROGRAM TOTAL	30 hours	PROGRAM TOTAL	30 hours

4. **Rationale for the proposed program changes:**
   - Reducing the core requirements to 15 hours facilitates better workload management and more appropriate student engagement.
   - Removing the program concentration research methods course from the core and incorporating these courses into the electives provides more flexibility for students and faculty workload.
   - Adding a 1-hour Research Methods requirement to the core will enable students to develop their thesis topic more extensively in the Spring semester one-on-one with their thesis advisor.
   - Restructuring the electives to allow students to select 15 hours of coursework from sub-specialty clusters reduces the number of program change forms needed and makes the program design process less confusing.

5. **Proposed term for implementation and special provisions:** Fall 2015

6. **Dates of prior committee approvals:**

   Geography and Geology Graduate Committee   11/14/2014
   OCSE Graduate Curriculum Committee   01/23/2015
   Graduate Council
   University Senate

Attachment: Program Inventory Form