Ogden College of Science and Engineering
Western Kentucky University
Office of the Dean
745-6371

REPORT TO THE GRADUATE COUNCIL COMMITTEE

DATE: April 24, 2015

FROM: Ogden College of Science and Engineering

Ogden College of Science and Engineering Committee Members: Dr. Ferhan Atici, Dr. Rajalingam Dakshinamurthy, Dr. Fred DeGraves, Dr. Sanju Gupta, Dr. David Keeling, Dr. John Khouryieh, Dr. Sharon Mutter, Dr. Shane Palmquist, Dr. Michael Smith, Dr. Zhonghang Xia

Chair: Dr. Cathleen Webb

The Ogden College of Science and Engineering submits the following items for consideration at the October meeting:

Action	**Proposal to Create a New Course** PHYS 799 – Doctoral Research Contact Person: Vladimir Dobrokhotov, vladimir.dobrokhotov@wku.edu, 5-4357

MINUTES – OCSE Graduate Curriculum Committee   **March 27th, 2015**

Members Present: Dr. Ferhan Atici, Dr. Rajalingam Dakshinamurthy, Dr. Fred DeGraves, Dr. Sanju Gupta, Dr. David Keeling, Dr. John Khouryieh, Dr. Farhad Ashrafzadeh, Dr. Zhonghang Xia

Dr. Cathleen Webb, Chair

OLD BUSINESS
Dakshinamurthy/Xia moved for approval of minutes from November 21, 2014 and February 27, 2015. Motion approved.

NEW BUSINESS

Consent Agenda
Dakshinamurthy/Xia moved for consent items to be moved to action items. Motion approved.

Action Agenda
Keeling/Dakshinamurthy moved to bundle and approve action items. Motion approved.

Information Agenda
Geoscience Jump Program – no vote needed.

Ogden College of Science and Engineering
Department of Physics & Astronomy
Proposal to Create a New Course
(Action Item)

Contact Person: Vladimir Dobrokhotov, (270) 745-4357

1. **Identification of proposed course**:
    1.1 Course prefix and number: **PHYS 799**
    1.2 Course title: **Doctoral Research**
    1.3 Abbreviated course title: **Doct. Res.**
    1.4 Credit hours and contact hours: (1-8) **1-8**
    1.5 Type of course: **C**
    1.6 Prerequisites: **doctoral candidacy**
    1.7 Co-requisite: **none**
    1.8 Course catalog listing: Doctoral Research/Physics.

    Prerequisite: Admission to candidacy in collaborative doctoral program. Research undertaken to complete requirements for the doctoral program. Pass/Fail grading.

2. **Rationale**:
    2.1 **Reason for developing the proposed course**: WKU physics faculty supervising doctoral students as adjunct professors through established collaborative research initiatives at the University of Louisville require a mechanism for tracking work load. They also need written documentation showing work effort that is used to provide data in grant submissions and support departmental and university load reports that reflect this level of effort.
    2.2 **Projected enrollment in the proposed course**: 1-5.
    2.3 **Relationship of the proposed course to courses now offered by the department**: none
    2.4 **Relationship of the proposed course to courses offered in other departments**: Similar courses exist in other programs, such as CHEM 799.
    2.5 **Relationship of the proposed course to courses offered in other institutions**: similar courses exist at institutions where external faculty are involved in graduate degree programs.

3. **Discussion of proposed course**:

    3.1 **Course objectives**: to be used during the research phase of a doctoral program.
    3.2 **Content outline**: research at the level and intensity appropriate for progress towards a doctoral degree.
    3.3 **Student expectations and requirements**:
    Performance will be evaluated based upon research progress.

4. **Resources**: none

5. **Budget implications**:
    5.1 Proposed method of staffing: Existing graduate faculty who hold an adjunct position at the collaborative institution will teach this course.
    5.2 Special equipment needed: None
    5.3 Expendable materials needed: None
    5.4 Laboratory materials needed: None

6. **Proposed term for implementation**: Fall 2016

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

    Department of Physics & Astronomy: 04/02/2015
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    OCSE Graduate Curriculum Committee
                                                        _____

    Graduate Council
                                                        _____

    University Senate
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Attachment: Bibliography, Library Resources Form, Course Inventory Form