

Rec. #2017-10-01 UNIVERSITY SENATE RECOMMENDATION TO THE PROVOST The University Senate recommends the Graduate Council Report dated 14 September 2017 to the Provost for endorsement.



Graduate Council

Agenda—Thursday, September 14, 2017, 3:00 p.m.
Academic Affairs Conference Room WAB 239

1. Call to Order
2. Consideration of August 17, 2017 minutes (Appendix A)
3. Committee Reports
 - a. Policy Committee
 - b. Curriculum Committee (Appendix B)
 - c. Student Research Grants Committee (Appendix C)
4. Questions about CourseLeaf
5. Report from Dean of the Graduate School
6. Public Comments
7. Announcements & Adjourn

Appendix A



Graduate Council
Minutes— August 17, 2017, 3:00 p.m.
Academic Affairs Conference Room WAB 239
Approved September 14, 2017

Members Present: Leyla Zhuhadar, Kirk Atkinson, Alex Lebedinsky, Carl Myers, Martha Day, Carl Dick, Dominic Lanphier, Richard Dressler, Laurie Branstetter, Amy Cappiccie, Kristie Guffey, Ann Ferrell, Ron Mitchell, Scott Lyons, Kristin Wilson, *Justavian Tillman, Veletta Ogaz, Gabrielle Bradley, Divya Gangavelli*

Members Absent: Chris Groves, Eric Reed, Wes Berry, Molly Kerby

Guests: Sylvia Gaiko, Scott Gordon, Colette Chelf, Laura Burchfield

1. Call to Order
2. Consideration of May 11, 2017 minutes
**Atkinson/Mitchell motion to approve; passed.*
3. Review of Graduate Council Bylaws and Responsibilities
 - a. Committee Responsibilities and Membership
4. Review of graduate data and trends by college, program, degree type, and student status
5. CourseLeaf Demonstration and Curriculum Flow
6. Report from Dean of the Graduate School
7. Public Comments and Announcements
8. Break into Committee Meetings – Election of Committee Chairs
9. Announcements & Adjourn
**Dick/Cappiccie motion to adjourn.*

Appendix B

Graduate Council Program and Curriculum Committee (GCC)

Report to the Graduate Council

Date: September 29, 2017

GCC Meeting: September 7,
2017

From: Kirk Atkinson, Chair
Council

September 14, 2017 Graduate
Council

Consent Agenda Report. The GCC deals with Action, Consent, and information Items. If items pass at the GCC meeting, Action Items become Consent Items to the full Council, Information Items remain unchanged. The GCC then submits the consent and information items from its current meeting for approval by the Graduate Council. Minutes along with the approved agenda of each meeting will be posted on [GCC web site](#).

College of Education and Behavioral Sciences

Dean’s Office 745-4020

Report to the Graduate Council Curriculum Committee

August 23, 2017

GCC TYPE	TYPE OF ITEM	DESCRIPTION OF ITEM & CONTACT INFORMATION
Consent	Action	Proposal to Create a New Course Item: PSY 617, Critical Consumer Statistics in Psychology Contact: Steve Winger Email: steven.winger@wku.edu Phone: (270) 745-4421

Create a New Course

(Action)

Date: April 12, 2017

College, Department: CEBS, Psychology

Contact Person: Steve Winger, steven.winger@wku.edu, 5-4421

1. Proposed course:

- 1.1 Course prefix (subject area) and number: PSY 617
- 1.2 Course title: Reading and Understanding Statistics in Psychology
- 1.3 Abbreviated course title: Reading and Understanding (maximum of 30 characters or spaces)
- 1.4 Credit hours: 3
- 1.5 Variable credit (yes or no): no
- 1.6 Repeatable (yes or no) for total of ____ hours: no
- 1.7 Grade type: Standard Letter Grade
- 1.8 Prerequisites: None
- 1.9 Corequisites: None
- 1.10 Course description: Examination of critical consumer statistics reported in psychology journals. Coverage ranges from basic descriptive statistics to advanced inferential statistics. The focus of the course is on reading, interpreting, and critiquing results sections of journals.
- 1.11 Course equivalency: None

2. Rationale:

- 2.1 Reason for developing the proposed course: Students in the Ed. S. program for school psychology will be expected to regularly read research journals during training and after completing their degrees to stay current on the latest research. It is important for them to be able to understand the various statistical techniques they will encounter in those journals. One of the National Association of School Psychologists' training standards (Standard 2.9) is to have knowledge of various statistical data analyses techniques. Currently, there are no courses offered in psychology or related departments that cover the wide range of statistical techniques that they will encounter in those journals.
- 2.2 Relationship of the proposed course to other courses at WKU: Other departments do offer graduate courses in statistics, e.g., PSYS 512, PSYS 513, SOCL 513, SOCL 514. However, perusal of these course descriptions and syllabi reveal that they are more focused on teaching students to conduct statistical analyses rather than critically consume and they do not cover the range of statistical techniques that the proposed course will cover. EDFN 712 has the objective of acquiring and developing skills

associated with critical reading of the educational research literature (conducting a literature review).

3. Discussion of proposed course:

3.1 Schedule type: L-lecture

3.2 Learning Outcomes:

To be able to critically consume reported statistical results sections in psychology journals.

- determine the appropriateness of the statistic utilized given the research design.

- determine if the assumptions for the statistic utilized were met.

- accurately interpret the statistical significance.

- accurately interpret and if necessary compute the practical significance (i.e., effect size).

- translate statistical results into applied implications.

3.3 Content outline:

Scales of measurement

Descriptive statistics

Standard normal distribution and probability

Null hypothesis significance testing

Confidence intervals

Effect sizes

Inferential statistics

- z-test

- t-test for one sample

- t-test for two independent samples

- t-test for related scores

- 1 factor ANOVA

- 2 factor between groups ANOVA

- 1 factor within groups ANOVA

- Mixed factorial ANOVA

- ANCOVA

- Chi-square
- Correlation
- Regression
- Multiple regression
- Curvilinear regression
- Logistic regression
- Path analyses
- Structural equation modeling
- Hierarchical linear modeling
- Canonical correlation
- Discriminant analyses

3.4 Student expectations and requirements: Students will be evaluated via homework, quizzes, exams, and presentations.

3.5 Tentative texts and course materials: Huck, S. W. (2012). Reading Statistics and Research (6th Ed.). Boston, MA: Pearson.

4. Budget implications:

4.1 Proposed method of staffing: Current staff, due to plans to offer the course in the summer.

4.2 Special equipment, materials, or library resources needed: N/A

5. Term for implementation: Summer 2018

6. Dates of committee approvals:

Department	4/21/17
College Curriculum Committee	_____ 5/2/17
Professional Education Council (if applicable)	_____ 5/10/17
Graduate Council Curriculum Committee	_____
Graduate Council	_____
University Senate	_____

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

End of Report

GCC Members Present: (members absent in yellow)

- Dr. Kirk Atkinson, Chair (GFCB) kirk
- Dr. Martha Day, (CEBS)
- [Dr.Kristie.Guffey](#), (UC) (absent, concerned provided in advance)
- Dr. Chris Groves, (OCSE)
- Dr. Ann Ferrell (PCAL)
- Dr. Dick Dressler, (CHHS)

Please remind all college representatives to use the provided WORD DOCX format forms on the web site (www.wku.edu/gcc) and not old forms from previous proposals or PDF's

Appendix C

Graduate Student Research Grant Funding, First Cycle, Sept 5 2017

Committee: Wes Berry (chair), Amy Cappiccie, Dominic Lanphier, Carl Myers, Molly Kerby, Leyla Zhuhadar

Summary: 8 students funded for total of \$14,602.99

Total 2017-18 GSRG budget: \$100,000

Funds remaining: **\$85,397**

- All students received amount requested after some revised budgets, as requested by the committee
- One applicant denied funding because of IRB problems; has chosen to revise and resubmit next time

Funded: Name, Project Title, Amount Funded

Catherine Luna, *Associative Learning in Musical Contexts* , **\$738.99**

Teresa Wiczynski *Interactions Between Aerobic Exercise Volume, Academic Stress, and Immune Function*, **\$2998**

Nathaniel Zbasnik, *The Impact of Exotic Lionfish on the Feeding Success of the Endemic Spotted Scorpionfish*, **\$1000**

Khomidkhodzha Kholikov, *Graphene Quantum Dot Synthesis using Nanosecond Laser Pulses and its Comparison to Methylene Blue*, \$2920

R. Lynn Von Hagen, *An Investigation of the Efficacy of Mitigation Techniques to Alleviate Human Elephant Conflict in the Kasigau Wildlife Corridor, Kenya*, \$1000

James Shelley, *Modeling and Evaluating the Influences of Class V Injection Wells on Urban Karst Hydrology*, \$1,000

Rachel Kaiser, *Developing a Conceptual Framework for Urban Karst Groundwater Monitoring and Management*, \$3,000

Romney Meek, *Design and Development of Graphene-based Amperometric Biosensor for Sensitive Detection of Ascorbic Acid*, **\$1946**