REQUEST FOR A NEW COURSE
University of Central Oklahoma

Course Subject (Prefix), Number, and Title:

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<th>Course Subject</th>
<th>Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PSY</td>
<td>4XX3</td>
<td>Human Factors</td>
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Course Title: (full title of course if longer than 30 characters)

For information regarding CIP codes contact your department chair or visit: http://www.uco.edu/academic-affairs/ir/program_inventory.asp
CIP Code: 42.0101

For graduate courses, please attach a syllabus for this course. (See syllabus requirement policy 2.2.)

Course description as it will appear in the appropriate catalog.

This interdisciplinary area within applied psychology is concerned with how environments can be improved to accommodate the humans within them. Applications include reducing human errors and improving health and wellness, ergonomics, work site safety, product engineering and human-machine interactions.

Psychology
Department submitting the proposal

Nora D. Gayzur
ngayzur@uco.edu
5422

Person to contact with questions
email address
Ext. number

Approved by:

Department Chairperson

Date

College Dean

Date

College Curriculum Committee Chair

Date

Academic Affairs Curriculum or Graduate Council

Date

Office of Academic Affairs

Date

Effective term for this new course

(Assigned by the Office of Academic Affairs.)
1. Does this course have an undergraduate / graduate counterpart?
   __ Yes ___ No

2. Is this proposal part of a larger submission, package including a program change?
   ___ Yes ___ No

3. Does this new course affect a teacher preparation program? (All courses required for any teacher preparation program must have approval from the Council on Teacher Education (CTE) before approval from AACC or Graduate Council.)
   ___ Yes ___ No   If yes, send copy of proposal to the Education Curriculum Committee Chair, Dr. Darla Fent.

4. Has this course been previously taught as a common course (4910 seminar, 4960 institute, etc.)?
   ___ Yes ___ No   If yes, when was the most recent offering?

5. Does this course affect majors or minors outside the department?
   ___ Yes ___ No   If yes, provide name(s) of department chair(s) contacted, dates, and results of discussion.

6. Prerequisite courses:
   Example 1: MATH 1213 and (MATH 2165 or MATH 2185) and CHEM 1213
   Example 2: (ACCT 2113 and 2213) and (MGMT 3013 or ISOM 3613)
   Example 3: 8 hours of biology including BIO 1404
   PSY 3713: Advanced Statistics SPSS and PSY 3XX3: Research Methods Lab

7. Co-requisite(s): Which of the above prerequisite courses, if any, may be taken in the same semester as the proposed new course?
   NA

8. Concurrent enrollment: Courses that must be taken the same semester. Example: lab courses.
   NA

9. Will this course have enrollment restrictions?
   ___ Yes ___ No   If No, go to question 13.

10. Specify which major(s) may or may not take this course. Specifying a major, excludes all other majors from enrolling.
    Check one: May ____ May not ____
    Major Code:

11. Which of the following student classification(s) may enroll in this course?
    Check all that apply:
    Graduate (2) 19 + hours
    Graduate (1) 0-18 hours
    Post Baccalaureate *
    Senior
    Junior
    Sophomore
    Freshman
    * Graduate level courses are not open to Post Baccalaureate students.

12. Check or list other restrictions for this course.
    Admission to Graduate Programs
    Admission to Nursing Program
    Admission to Teacher Education
    Other
13. Course objectives: Objectives should be observable, measurable and include scholarly or creative activities to meet the course level characteristics. Course objectives should also be in line with the course description. (Please refer to instructional objectives documents at: http://www.uco.edu/academic-affairs/faculty-staff/aacc.asp#FAQ/Helpful%20Hints.)

As a result of this course, you should:

1. **Know** terminology, specific facts, methodology in psychology, and the theories behind current research in the field;
2. **Comprehend** the findings of current research in the field and their implications;
3. **Apply** previously learned information to the content of this course;
4. **Analyze** current research in the field, such that the research paradigms can be identified and inferences can be drawn;
5. **Synthesize** knowledge, by integrating concepts from previous courses with newly learned information to produce new and/or original thoughts; and
6. **Evaluate** material and research for a given purpose, based on knowledge, personal values, and opinion.


Course Detail Information:

14. Contact Hours (per week)

3 Lecture hours (in class)

___ Lab hours (also studios)

___ Other (outside activities)

15. Repeatable course.

1 Number of times this course can be taken for credit.

16. Schedule type: (select one only)

___ Activity P.E. (A)

___ Lab only (B)

___ Lecture/Lab (C)

3 Lecture only (L)

___ Recitation/Lab (R)

___ Student Teaching (STU)

___ Studio Art/Design (XSU)

17. List existing course(s) for which this course will be a prerequisite. Adding a "new course" as a prerequisite to an existing course will likely cause enrollment problems. (Please submit a prerequisite change form for each course for which this course will serve as a prerequisite.)

None

18. What resources, technology or equipment must be acquired to teach this course? List items, which must be purchased and estimate cost. (Be specific, e.g., technology software, equipment, computer lab; etc.)

No additional items required beyond that which is already available

19. The UCO Library has the required library resources available for this new course?

x Yes ___ No  If yes, provide names of Librarian/Faculty Liaisons contacted, dates, and results of discussion.

According to Kirsten Davis (February 28, 2020; see attached), "given that these are essentially
rearrangements of existing programs/classes, things should be fine from a resources perspective."

If no, what additional library resources must be acquired for this new course? List items which must be purchased and estimated cost. (Be specific, e.g., books, magazines, journals, etc.)
Not applicable/None needed

20. Names of current faculty qualified to teach this course.
Mickie Vanhoy; J. Adam Randell; Nora Gayzur, Thomas Hancock

21. Additional faculty (adjunct or full-time) required and specific competencies required to teach this course:
No additional faculty required at this time. Faculty teaching this course would need a background in perceptual psychology.

22. How will this course be staffed and equipped? Identify the additional costs associated with this new course. If no costs, explain why not.
This course will be part of the regular rotation of courses offered in the major and will not require any new staff or equipment to be offered; that is, faculty loads will be adjusted to accommodate changes in the curriculum (specifically, the number of core required classes will decrease to allow to the addition of elective courses in the curriculum). As such, the funds to support this course will come from an internal reallocation of the departmental budget.

23. Identify the source(s) of funds for any additional costs for the new course. i.e. internal reallocations, special fees from students, etc. If you plan to propose special fees be assessed for this course, be aware there is a separate approval process for special fees.
This course will be part of the regular rotation of courses offered in the major and will not require any new staff or equipment to be offered; that is, faculty loads will be adjusted to accommodate changes in the curriculum (specifically, the number of core required classes will decrease to allow to the addition of elective courses in the curriculum). As such, the funds to support this course will come from an internal reallocation of the departmental budget.

24. Projected enrollment for two academic years following approval of new course:

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<th>Semester</th>
<th>2021</th>
<th>2022</th>
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<tr>
<td>Fall</td>
<td>0 (due to staggered rotation)</td>
<td>70</td>
</tr>
<tr>
<td>Spring</td>
<td></td>
<td></td>
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<tr>
<td>Summer</td>
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25. Using State Regents' definition of liberal arts and sciences (quoted below), characterize the course as follows:
X Liberal arts and sciences
Non-liberal arts and sciences

"The liberal arts and sciences are defined as those traditional fields of study in the humanities; social and behavioral sciences; communications; natural and life sciences, mathematics; and the history, literature, and theory of fine arts (music, art, drama, dance). Courses in these fields whose primary purpose is directed toward specific occupational or professional objectives, or courses in the arts which rely substantially on studio or performance work are not considered to be liberal arts and sciences for the purpose of this policy. Courses required for the General Educational Program are not necessarily synonymous or mutually exclusive with the liberal arts and sciences." State Regents Policy and Procedures. Chapter 2, Section 5, "Degree Requirements" part 1, (2). P. II-2-86

26. Please provide a concise, yet comprehensive, statement that explains the reasons for requesting the new course. Include documentation or assessment information supporting the specific
request (if possible). Indicate the expected source of student enrollment (majors, minors, programs etc.)

In the department's Self-Study for Continuous Improvement (SSCI), external reviewers suggested (a) a greater breadth of courses be offered, (b) a greater depth of courses be offered, and (c) courses devoted to multicultural and diversity issues. This course will help meet these suggestions. Moreover, according to national data, this is a typical specialty course in the area of psychology.

Question 27: Which of the six transformative learning tenets does this course incorporate? (check all that apply or only those that apply) This question was a directive from the Provost and is used for informational purposes.

Discipline Knowledge  X
Leadership
Research, Scholarly and Creative Activities  X
Service Learning and Civic Engagement
Global and Cultural Competencies  X
Health and Wellness  X

Question 28: Clearly explain how the characteristics of this course meet or exceed those outlined in Course Level Characteristics. (Copy and paste table from “Course Level Characteristics” document for the appropriate course level of proposed course. Document may be found on: http://sites.uco.edu/academic-affairs/files/course-level-characteristics-table.doc).

4000 LEVEL COURSES

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<th>Course Level Characteristics</th>
<th>Please describe how this course meets this requirement.</th>
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<td>1. It is assumed that students in these courses have completed sufficient course work to have attained senior standing.</td>
<td>This will be met by students meeting the prerequisites of Advanced Statistics SPSS and Research Methods Lab (both 3000 level courses).</td>
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<td>2. It is assumed that students in these courses have a substantial background in the area of inquiry equivalent to 15 hours of study. Area of inquiry is defined broadly, including courses in the offering department, as well as courses in other departments that relate to the subjects of study.</td>
<td>This will be met by students meeting the prerequisites of Advanced Statistics SPSS and Research Methods Lab (both 3000 level courses).</td>
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<td>3. These courses should be offered at a level of sophistication of instruction and of expected student performance beyond that of other undergraduate courses. In short, 4000 level course should offer more in depth study than the courses offered at the 3000 level and below, and should include application, analysis, synthesis, and evaluation of information presented.</td>
<td>This course is an in-depth study of the sub-specialty within applied psychology that is concerned with the application, analysis, and evaluation of psychological principles as they intersect with product engineering.</td>
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<td>4. These courses require students to undertake a substantial scholarly activity in addition to classroom instruction, such as a written research project, research presentation, library assignment, juried performance, or creative work.</td>
<td>Students are required to create their own written proposals for research projects that apply human factors principles to a practical issue or problem.</td>
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<td>5. Included among 4000 level courses would be a capstone courses that review and integrate previous learning, practicums and student teaching, and courses in which a major</td>
<td>The field of Human Factors incorporates several fields within psychology, including sensation, perception, and action, social psychology, engineering, and statistics. Human</td>
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<td>instructional responsibility is placed on the student (as in individual studies, directed readings, and seminars).</td>
<td>factors synthesizes concepts from many different topics and applies those to real world problems. It also evaluates existing solutions to improve productivity and reduce error.</td>
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