

UNIVERSITY CURRICULUM COMMITTEE

Proposal for New Course

1. Is this course being proposed for Liberal Studies designation? Yes ☐ No ☒
If yes, route completed form to Liberal Studies.
2. New course effective beginning what term and year? (ex. Spring 2008, Summer 2008) Spring 2007
[See effective dates schedule.](#)
3. College CENS 4. Academic Unit CENS
5. Course subject/catalog number CENS396 6. Units 1-3
7. Co-convened with n/a 7a. Date approved by UGC _____
(Must be approved by UGC prior to bringing to UCC. Both course syllabi must be presented.)
8. Cross-listed with n/a
(Please submit a single cross-listed syllabus that will be used for all cross-listed courses.)
9. Long course title International Engineering and Science Experience
(max 100 characters including spaces)
10. Short course title (max. 30 characters including spaces) International Experience
11. Catalog course description (max. 30 words, excluding requisites).

Credit for supplementary international experience in select courses, including joint international teaming and joint field experiences. Can only be taken in conjunction with the regular NAU course to which it is attached.

12. Grading option: Letter grade ☒ Pass/Fail ☐ or Both ☐
(If both, the course may only be offered one way for each respective section.)
13. Is this a topics course? Yes No ☒
14. May course be repeated for additional units? yes ☒ no
a. If yes, maximum units allowed? 3
b. If yes, may course be repeated for additional units in the same term? (ex. PES 100) yes ☒ no
15. Please check **ONE** of the following that most appropriately describes the course:
- | | | | | |
|--|--|-----------------------------------|-----------------------------------|--------------------------------------|
| Lecture w/o unit embedded lab ☐ | Lecture only ☐ | Lab only ☐ | Clinical ☐ | Research ☐ |
| Seminar ☐ | Field Studies ☐ | Independent Study | Activity X (?) | Supervision ☐ |
16. Prerequisites (must be completed **before** proposed course) none
17. Corequisites (must be completed **with** proposed course) none
18. If course has no requisites, will all sections of the course require (If course has pre or co requisite, skip to question 19):
- | | | |
|---|---|--|
| instructor consent ☐ | department consent ☐ | no consent ☒ |
|---|---|--|

19. Is the course needed for a plan of study (major, minor, certificate)? yes ☐ no ☒

Name of new plan? _____

Note: A new plan or plan change form must be submitted with this request.

20. Does course duplicate content of existing courses within or outside of your college? yes ☐ no ☒

If yes, list any courses this course may have duplicative material with and estimate percentage of duplication:

Please attach letters of support from each department whose course is listed above.

21. Will this course affect other academic plans, academic units, or enrollment? yes ☐ no ☒

If yes, explain in justification and provide supporting documentation from the affected departments.

22. Is a potential equivalent course offered at a community college (lower division only)? yes ☐ no ☒

If yes, does it require listing in the [Course Equivalency Guide](#)? yes ☐ no ☐

Please list, if known, the institution, subject/catalog number of the course. _____

23. Justification for new course, including unique features if applicable. (Attach proposed syllabus in the approved university format).

Some CENS course offering may, in certain semesters or offerings, contain a significant amount of internationally-related coursework in addition to their normal technical content. This course is being created to allow additional credit (1-3 hours) for this additional material. For example, certain offerings of CS386 (3 hours) involve real-time international project work with students at two foreign institutions. In addition to the normal technical requirements of the course (3 hours), 1 additional hour of CENS396 would be provided to award credit for the additional work required to perform the international component of the course. This credit is NOT duplicative; the workload of the course is substantially higher when taught in the international mode. The CENS396 component would be graded separately as well, with focus on performance in the international collaboration rather than mastery of technical course content. It is anticipated that many CENS departments will be developing such courses in the future; this course line will allow for those credits to be recognized and may be counted towards the CENS International Certificate.

This course may be opportunistically attached to any course offered by any CENS department that includes extraordinary international content in that offering; the function is much like a “lab course” commonly attached to other CENS courses, except that it is associated with courses opportunistically, specifically added to those offerings that will include special international experiences (i.e., these may not happen on every offering). Approval to attach CENS396 to an upcoming offering must be requested explicitly by the instructor, and will be granted by the dean’s office on a case-by-case basis after review of the merits of the proposal.

Some examples of anticipated uses of CENS396 include but are not limited to: courses offering joint international projects, joint fieldwork, and mandatory travel to international events and conferences.

An example syllabus is attached for clarification; actual syllabi for such international components, of course, will vary by offering and will be developed by the individual instructors when proposing to attach CENS396 to some offering.

24. Names of current faculty qualified to teach this course n/a

25. If course will require additional faculty, space, or equipment, how will these requirements be satisfied? n/a

26. Will present library holdings support this course? yes ☒ no ☐

If the course being submitted for approval is **NOT a LIBERAL STUDIES** course, please go to step 42.

LIBERAL STUDIES ONLY

Contact name: _____

Contact email: _____

Dept. Chair name: _____

Dept. Chair email: _____

College Contact name : _____

College Contact email: _____

27. This course is a ☐ Single section ☐ Multi-section

28. List names of faculty who may teach this course: _____

29. Section enrollment cap: _____

If this course is being submitted for approval as a new **LIBERAL STUDIES** course, please complete questions 30-33.

OR

If this course is being submitted for approval as a new **JUNIOR LEVEL WRITING** course, please complete questions 37-38.

OR

If this course is being submitted for approval as a new **SENIOR CAPSTONE** course, please complete questions 39-41.

NEW LIBERAL STUDIES COURSE

30. Thematic Focus (check all that apply): *If a topics course, must apply to **ALL** sections.*

Environmental Consciousness ☐ Technology and Its Impact ☐ Valuing the Diversity of Human Experience ☐

31. Distribution Block (check one): *If a topics course, must apply to **ALL** sections.*

Aesthetic and Humanistic Inquiry ☐ Cultural Understanding ☐ Lab Science ☐

Science/Applied Science ☐ Social and Political Worlds ☐

32. Skills (check two): *If a topics course, must apply to **ALL** sections.*

Creative Thinking ☐ Critical Reading ☐ Effective Oral Communication ☐ Effective Writing ☐ Critical Thinking ☐

Ethical Reasoning ☐ Quantitative/Spatial Analysis ☐ Scientific Inquiry ☐ Use of Technology ☐

33. Is this a topics course? Yes ☐ No ☐

If YES, please complete questions 34-36. If NO, please go to question 42.

TOPICS COURSE ONLY

34. Identify the **Student Learning Outcomes** that will be found in **ALL** topic syllabi offered under this course number. _____

35. Explain by what method(s) Student Learning Outcomes will be **assessed** in **ALL** topic syllabi offered under this course number.

36. Please attach an example of a Topic Syllabus offered under this course number.

NEW JUNIOR LEVEL WRITING COURSE (refer to question 19)

37. To which degree programs offered by your department/academic unit does this proposal apply? _____
38. Do you intend to offer ABC 300 and ABC 300W? yes ☐ no ☐
If no, please submit a course delete form for the ABC 300.

GO TO question 42

NEW SENIOR CAPSTONE COURSE (refer to question 19)

39. To which degree programs offered by your department/academic unit does this proposal apply? _____
40. Does this proposal replace or modify an existing course or experience? yes ☐ no ☐
If yes, which course(s)? _____
41. Do you intend to offer ABC 400 and ABC 400C? yes ☐ no ☐
If no, please submit a course delete form for the ABC 400.

42. Approvals

Department Chair (if appropriate)	Date
Chair of college curriculum committee	Date
Dean of college	Date

For Committees use only

For Liberal Studies Committee	Date
Action taken: _____ Approved as submitted _____ Approved as modified	
For University Curriculum Committee	Date
Action taken: _____ Approved as submitted _____ Approved as modified	

CENS396 EXAMPLE SYLLABUS

General Information

- College of Engineering and Natural Sciences
- CENS396 International Engineering and Science Experience
- Spring 06
- 1 hour
- Instructor: Otte
- Office address: Engineering 219
- Office hours: TBA

Course prerequisites: co-requisite of CS386, Software Engineering offered in Fall2007

Course description : NAU-based coursework involving an international experience: includes real-time web-based teaming experiences in collaborative software development with software teams in Germany and Poland. This course requires web-based real-time communication with students at the University of Applied Science (Zittau,Germany) and in Wroclaw, Poland.

Student Learning Expectations/Outcomes for this Course: Students will effectively participate in a global team, be able to properly define and communicate their understanding of a problem based on different cultural modes, manage schedules and project deliverables based upon different time zones and prepare a joint presentation that will be communicated in real-time via the internet. Students will critically analyzing the international experience via a reflective essay.

Course structure/approach: International collaboration on software engineering project

Textbook and required materials: none.

Recommended optional materials/references (attach reading list): see website

Course outline:

- Weeks 1-3: Introductions, team formation, getting acquainted, testing software
- Weeks 4-6: Problem definition, schedule development
- Weeks 7-14: Problem solving / complete project deliverables
- Week 15: Project Team Presentations
- Week 16: Reflective Essay

Assessment of Student Learning Outcomes

- Methods of Assessment:
 - o Problem definition memo / Schedule memo: 200 points
 - o Problem solving / deliverables: 200 points
 - o Team Presentation: 200 points
 - o Communication completeness and efficacy with intl. partners: 200 points
 - o Essay: 200 points
- Timeline for Assessment:
 - o Week 6: Problem Definition and Scheduling memos due
 - o Weeks 7-14: Weekly project update memos due
 - o Week 15: Presentation
 - o Week 16: Reflective Essay due

Grading System: A-F; 900+ = A; 800-899 = B; 700-799=C; 600-699=D.

Course policy

- Retests/makeup tests:n/a
- Attendance: required
- Statement on plagiarism and cheating

University policies: See attached Safe Working and Learning Environment, Students with Disabilities, Institutional Review Board, and Academic Integrity policies.