Florida Institute of Technology

ADDING A NEW COURSE TO THE CURRICULUM

This course is available for student registration only after the approval process has been completed.

SUBJECT E C E COURSE NO.* 1 0 0 1 CREDIT HOURS 1 TERM TO BE ADDED TO THE FILE Spring 2013 (e.g., CSE) (e.g., 1301)

*Justify level if 1000-level or no co- or prerequisites

CLASS HOURS 1/week LAB HOURS 3/week CONTACT HOURS (CEU ONLY)

DEPARTMENT Electrical & Computer Engineering (e.g., Computer Sciences)
SCHEDULE TYPE Undergraduate Research (N)
(e.g., Lecture, Lab or Special Topics/Project)

□ COLLEGE OF AERONAUTICS – 23
□ COLLEGE OF PSYCHOLOGY AND LIBERAL ARTS – 25
□ COMMERCE COLLEGE OF BUSINESS – 24
□ COLLEGE OF SCIENCE – 26
□ COLLEGE OF ENGINEERING – 1
□ EXTENDED STUDIES DIVISION / NATHAN M. BISK COLLEGE OF BUSINESS – 90

COMPUTER TITLE Restricted to 25 characters, including spaces
Research in ECE Dual-Prefix, Bi-Level, Full-Load? □ Yes □ No

CATALOG TITLE Undergraduate Research in Electrical or Computer Engineering

CATALOG DESCRIPTION OF COURSE Restricted to 350 characters, including spaces
Exposes students to faculty and research in the electrical and computer engineering department. Students work on a research project, prepare a report and present their findings. May be repeated once for credit. (Requirement: Department head and instructor approval.)

This description has been approved by the catalog office

Catalog Director Date

In addition, please attach a course syllabus and/or more detailed description.

In addition, please attach a course syllabus and/or more detailed description.

GRADES TO BE ISSUED
□ A, B, C, D, F
□ A, B, C, D, F, CEU/Audit
□ CEU
□ S, U
□ P, F
□ Other

ADDITIONAL RESTRICTIONS Department head and instructor approval
(e.g., Major, Class Level, Department Head Approval)

If this course replaces a course currently offered in BANNER, please indicate old course information and the date/term the course may be removed from the system.

SUBJECT Alpha Prefix (e.g., CSE) COURSE NO. (e.g., 1201) TERM TO INACTIVATE

APPROVALS: Upon completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee for approval below and forward to Catalog Director.

Chair, Graduate Council Date

Chair, Undergraduate Curriculum Committee Date

CATALOG DIRECTOR

These changes/additions have been made for the University Catalog/policy management system and entered into the BANNER term named above.

Catalog Director Date

REGISTRAR’S USE ONLY

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ROR-12/1011
ECE 1001 Undergraduate Research in Electrical or Computer Engineering

2012-13 Catalog Data: ECE 1001 Undergraduate Research in Electrical or Computer Engineering. (1 credit). Exposes students to faculty and research in the electrical and computer engineering department. Students work on a research project, prepare a report and present their finding.

Required or Elective X

Prerequisites by Topic:
1. Department head and instructor approval.

Textbook (T) and Reference (R):
None

Course Learning Objectives: The student will be able to
1. Conduct basic research. (*Criteria a, c, g, i*)
2. Apply acquired knowledge (*Criteria a, c, g, i*)

Topics Covered:
1. Perform guided research under a mentor supervision

Class/Lab/Recitation Schedule: Weekly meetings between the student or research group and mentor, at a convenient time.

Contribution of Course to Meeting the Professional Component:
This course contributes to student exposure to research and professional publications.
## Relationship of Course Outcomes to Program Outcomes:

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**Prepared By:** John Hadjilogiou, Ph.D., Professor of Electrical and Computer Engineering, April 2012
Florida Institute of Technology

ADDING A NEW COURSE TO THE CURRICULUM

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SUBJECT E C E COURSE NO.* 2 0 0 1 CREDIT HOURS 1 TERM TO BE ADDED TO THE FILE Spring 2013

*Justify level if 1000 level+ and no co- or prerequisite.

CLASS HOURS __________ lecture hours ___________ Lab hours 3/week

DEPARTMENT Electrical & Computer Engineering

SCHEDULE TYPE Special Projects (R)

☐ COLLEGE OF AERONAUTICS – 23
☐ COLLEGE OF PSYCHOLOGY AND LIBERAL ARTS – 25
☐ NATHAN M. BISK COLLEGE OF BUSINESS – 24
☐ COLLEGE OF SCIENCE – 26
☐ COLLEGE OF ENGINEERING – 1
☐ EXTENDED STUDIES DIVISION / NATHAN M. BISK COLLEGE OF BUSINESS – 90

COMPUTER TITLE Restricted to 25 characters, including spaces: Research in ECE

Dual-Prefix, Bi-Level, Full-Load? ☐ Yes ☒ No

CATALOG TITLE Undergraduate Research in Electrical or Computer Engineering

CATALOG DESCRIPTION OF COURSE Restricted to 350 characters, including spaces:

Exposes students to faculty and research in the electrical and computer engineering department. Students work on a research project, prepare a report and present their findings. May be repeated once for credit. (Requirement: Department head and instructor approval.)

This description has been approved by the catalog office ☐ Yes ☒ No

In addition, please attach a course syllabus and/or more detailed description.

GRADES TO BE ISSUED
☒ A, B, C, D, F
☐ A, B, C, D, F, CEU/Audit
☐ CEU
☐ S, U
☐ P, F
☐ Other

ADDITIONAL RESTRICTION Department head and instructor approval

If this course replaces a course currently offered in BANNER, please indicate old course information and the date/term the course may be removed from the system.

SUBJECT Alpha Prefix (e.g., CSE) COURSE NO. (e.g., 1301) TERM TO INACTIVATE

APPROVALS: Upon completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee for approval below and forward to Catalog Director.

Date

Date

Date

Date

Date

Date

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ROR-1221001
ECE 2001 Undergraduate Research in Electrical or Computer Engineering

2012-13 Catalog Data: ECE 2001 Undergraduate Research in Electrical or Computer Engineering. (1 credit). Exposes students to faculty and research in the electrical and computer engineering department. Students work on a research project, prepare a report and present their finding.

Required or Elective X

Prerequisites by Topic:
   1. Department head and instructor approval.

Textbook (T) and Reference (R):
None

Course Learning Objectives: The student will be able to
   1. Conduct basic research. (Criteria a, c, g, i)
   2. Apply acquired knowledge (Criteria a, c, g, i)

Topics Covered:
   1. Perform guided research under a mentor supervision

Class/Lab/Recitation Schedule: Weekly meetings between the student or research group and mentor, at a convenient time.

Contribution of Course to Meeting the Professional Component:
This course contributes to student exposure to research and professional publications.
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**Prepared By:** John Hadjilogiou, Ph.D., Professor of Electrical and Computer Engineering, April 2012