To:  Mark Archambault, Ph.D.
Chair, Undergraduate Curriculum Committee

From: Philip J. Bernhard, Ph.D.
Department Head, Computer Engineering and Sciences

Re:  Reentry of CSE 2234 Introduction to Systems Administration into the catalog

Date: September 11, 2019

CSE 2234 Introduction to Systems Administration was recently removed from the catalog due to inactivity. Please reenter it into the catalog, beginning Fall 2020. We expect to be offering it on a regular basis starting in AY 2020-21.
FLORIDA TECH

ADDING A NEW COURSE TO THE CURRICULUM

New courses are available beginning with the fall term in which they appear in the University Catalog.

SUBJECT C S E COURSE NO.* 2 2 3 4 CREDIT HOURS 1 ACADEMIC YEAR TO BE ADDED TO THE FILE Fall 2020
*(e.g., CSE) (e.g., 1301)
*Justify level if 1000-level and no co- or prerequisites
CLASS HOURS 15/semester LECTURE HOURS 15/semester LAB HOURS N/A CONTACT HOURS (CEU ONLY) N/A

DEPARTMENT Computer Engineering and Sciences
(e.g., Biological Sciences)
□ COLLEGE OF AERONAUTICS—23 □ COLLEGE OF ENGINEERING AND SCIENCE—30
□ COLLEGE OF PSYCHOLOGY AND LIBERAL ARTS—25 □ NATHAN M. BISK COLLEGE OF BUSINESS—24
COMPUTER TITLE Intro to Sys Admin

SCHEDULE TYPE Lecture (A)
(e.g., Lecture, Lab or Special Topics/Project)

This course will be entered into the system as: Bi-Level □ Cross-Listed □ Dual-Numbered □ Full-Load □ None of these/Standard Listing

CATALOG TITLE Introduction to System Administration

CATALOG DESCRIPTION OF COURSE Restricted to 350 characters, including spaces
Introduces the tasks involved in the administration of operating systems found on personal and multi-user computers.

This description has been approved by the catalog office

EMDAV 8.21.2019

Catalog & Curriculum Manager Date

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

RESTRICTIONS

REQUIREMENTS

CSE 1002
□ Prerequisite ONLY
□ Corequisite ONLY
□ BOTH Prerequisite/Corequisite □ and □ or
Course Prefix/Number
ECE 2552
□ Prerequisite ONLY
□ Corequisite ONLY
□ BOTH Prerequisite/Corequisite □ and □ or
Course Prefix/Number
□ Prerequisite ONLY
□ Corequisite ONLY
□ BOTH Prerequisite/Corequisite □ and □ or
Course Prefix/Number
□ Prerequisite ONLY
□ Corequisite ONLY
□ BOTH Prerequisite/Corequisite □ and □ or
Course Prefix/Number

ADDITIONAL RESTRICTION □ and □ or
(e.g., Major, Class Level, Department Head Approval)

Please indicate old course information and the date/term the course may be removed from the system:

□ Yes □ No Will this course be used to measure program-level student learning outcomes? If yes, review and signature required**
□ Yes □ No Will this course be used to satisfy the scholarly inquiry requirement? If yes, attach "Q" materials for review.
□ Yes □ No Will this course impact existing programs? If yes, attach "Changing Graduation Requirements" form for each program impacted.
□ Yes □ No Will this course be used to satisfy the Cross Cultural (CC) requirement? If yes, attach confirmation memo from QEP2 Committee.

APPROVALS: On completion of description and course number verification, affix appropriate signatures as indicated, and submit to the Office of Graduate Programs, or Undergraduate Curriculum Committee Chair for placement on agenda.

Chair, Graduate Council Date

Chair, Undergraduate Curriculum Committee Date

**Chair, APAC

CATALOG & CURRICULUM MANAGER

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

Catalog & Curriculum Manager Date

REGISTRAR'S USE ONLY

SCACRESE SCADETL SCAPREQ SCABASE ACATALOG

SCARRES CIP Code 11.0802 Operator Init. Date

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RGR-084-219
**CSE 2234 Introduction to Systems Administration (1 credit)**

**Course Information:**

**Catalog Description:** Introduces the tasks involved in the administration of operating systems found on personal and multi-user computers.

**Textbook:**

**Prerequisite:** CSE 1002

**Expected Outcomes:** By the end of the course, students will have knowledge of the terminology and fundamental principles of systems administration.

More specifically, they will be prepared to:

- Demonstrate an understanding of file system structures, links, permissions, etc.
- Write shell scripts that automate administrative tasks
- Demonstrate knowledge of daemons and services
- Build and install software
- Demonstrate knowledge of security issues
- Understand network issues as they relate to systems administration

**Course Topics:**
- File structure
- Links
- Permissions
- Shell scripting
- Daemons
- Services
- Building and installing software
- Security
- Networking

**Grading Policy:**

- Assignments: 15%
- Classroom and online participation: 15%
- Midterm Exams (2): 40%
- Final Exam: 30%

**Grading Scale:**

A: 90 to 100, B: 80 to 89, C: 70 to 79, D: 60 to 69, F: below 60

**Bibliography:**

- None