COLLEGE CURRICULUM COMMITTEE
November 13, 2024
Via Zoom
2:00 – 5:00 p.m.

AGENDA

1.   **Welcome to the Committee Members and Visitors.**

2.   **Review of Minutes:** October 2024
https://valenciacollege.edu/employees/organizations-committees/college-curriculum-committee/meetings.php

3.   **Consent Agenda:** Course modifications or deletions involving minor editing of course descriptions or level changes which do not impact other departments are eligible for placement on the consent agenda. Any members of the committee may request to remove a proposal from the consent agenda for the purpose of discussion.

   a)   **The following course(s) have outlines in Course Information Management that may be accessed through ATLAS (course additions, modifications or deletions):**

   BSC 1005C
   CAI 1700, CAI 2100, CAI 2200, CAI 2300
   CET 2486C
   EDF 2051
   EDG 2413
   EGN 2332C, EGN 2421
   EGS 2004C
   FIN 2100
   FSS 1051C, FSS 2074C
   IDH 2930
   OCE 1001H

   b) The following outlines are being presented as part of the Two-Year Program Review Cycle (outcome changes only):

   BSC 1005, BSC 1005H
   EDF 2291, EDF 3609, EDF 3940
   EEX 3084
   FSS 1068C, FSS 1075C, FSS 2052C, FSS 2068C,
   RED 4352
   SCE 3310, SCE 3832
   TPA 2030C, TPA 2063C, TPA 2252C, TPA 2260C

4. **Regular Agenda:**

2425-037   CET 2486C   Local Area Networks, CCM……………………………..Soheyla Nakhai
Purpose: Changing the course description and the course outline to match the latest CCNA certification; *Revised Course Description:* This course introduces the architectures, models, protocols, and networking elements that connect users, devices, applications and data through the internet and across modern computer networks - including IP addressing and Ethernet fundamentals. By the end of the course, students can build simple local area networks (LANs) that integrate IP addressing schemes, foundational network security, and perform basic configurations for routers and switches. This is the first of a three-part series designed to prepare students for the Cisco Certified Networking Associate exam; *Effective Date:* Fall 2025 (202610).

2425-038   BSC 1005C   Biological Science Combined, CCM……………………H. Patil
Purpose: Curriculum revisions for core general education courses to align with the state LOs; *Revised Course Description:* Combination of BSC 1005 and BSC 1005L with class and lab combined. This course applies the scientific method to critically examine and explain the natural world, including but not limited to cells, organisms, genetics, evolution, ecology, and behavior; *Effective Date:* Spring 2025 (202520).

2425-039   EDF 2051   Teaching and Learning Theory, CCM……………………Ellen Costello
Purpose: To comply with HB 1291 effective July 1, 2024; *Revised Course Description:* This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for teachers and prospective teachers to examine a variety of teaching and learning theories with topics including educational psychology, human development, curriculum, data uses, teaching and learning theories, motivation, and a variety of learners; *Effective Date:* Fall 2025 (202610).

2425-040   EDG 2413   Student-Centered Classroom Learning Environments, CCM…………………………………………………………………………………..……Ellen Costello
Purpose: To comply with HB 1291 effective July 1, 2024; *Revised Course Description:* This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for teachers and prospective teachers to maintain a student-centered learning environment that is safe, organized, equitable, flexible, inclusive, and collaborative for all students; *Effective Date:* Fall 2025 (202610).

2425-041   FIN 2100   Personal Finance, CCM……………………………………..……C. Munley
Purpose: Adding prereq based on input from Advisory Committee and IR request showing the success rates of students who took ACG2021C before any Finance course (15% higher). Per Program Review and information received from IR, students have higher success rates in FIN courses when ACG 2021C or MTB 1103 or APA 1111C is completed first. ACG 2021C and MTB 1103 are requirements in the A.S. Business Administration degree and APA 1111C is an accepted elective and a course taken by many A.A. students who take the FIN courses. The course description, major topics, and learning outcomes were updated to better align with the course content; *Revised Prerequisites:* ACG 2021C or MTB 1103 or APA 1111C; *Revised Course Description:* This course provides a foundational understanding for making informed personal financial decisions. Topics include personal financial planning, budgeting, credit management, tax planning, insurance protection, personal investing, and retirement planning; *Effective Date:* Fall 2025 (202610).

2425-042   FSS 1051C   Hearth Breads, CCA…………………………………………Ken Bourgion
Purpose: Reactivating it for the ATC in Bread Baking.; *Credit/Contact/Lab Hours:* 3/6/5 *Prerequisites:* None; *Corequisites:* None; *Course Description:* Student will build on their previous knowledge and learn to mix, shape, bake, store, and distribute breads and rolls. Student will build speed and increase their proficiency in meeting production deadlines with quality products. Emphasis will be placed on increased use of traditional fermentation methods, equipment, and methods that emphasize flavor, texture, and appearance as well as techniques that increase shelf life; *Effective Date:* Spring 2025 (202520).

2425-043   FSS 2074C   Sourdough Artisan Breads, CCM……………………Ken Bourgion
Purpose: Revise contact hours; *Revised Credit/Contact/Lab Hours:* 3/6/5; *Effective Date:* Fall 2025 (202610).

2425-044   OCE 1000H   Intro to Oceanography-Honors, CCM…………………K. Chau
Purpose: Updating to match OCE 1000. Required SCNS outcomes; *Revised Course Description:* Same as OCE 1000 with Honors content. Honors program permission required; *Effective Date:* Spring 2025 (202520).

2425-045   IDH 2930   Selected Topics in Interdisciplinary-Honors, CCA……M. Sexton
Purpose: Proposal for a new honors seminar. Based on the student demand for more elective honors courses and the increasing popularity of City as a Text as a teaching model. New elective course for honors program. Submitting due to student demand and faculty interest; *Credit/Contact/Lab Hours:* 3/3/0; *Prerequisites:* None; *Corequisites:* None; *Course Description:* For students who are interested in advanced topics in Honors. May include lab and/or field work as part of the class, depending on topic. Multiple credit course. May be repeated for credit, but grade forgiveness cannot be applied; *Effective Date:* Spring 2025 (202520).

2425-046   A.S. in Supervision and Management for Industry, CPM……..Storm Russo
Purpose: The AS in Supervision and Management is still listing an "Aviation Maintenance Track". The word "track" is causing confusion. We eliminated the Aviation or Aviation track courses. We want to preserve the FAA certification transfer agreements; *Effective Date:* Fall 2025 (202610).

2425-047　　　　Advanced Technical Certificate in Echocardiography, CPM……Sharon Shenton
Purpose: RET 4444C was previously modified to remove the "C" from the title. It is an online lecture course. The course is still listed here as 4444C, which due to the modification, no longer exists. RET4444C needs to be replaced here with the existing RET 4444. In addition, this course is now offered in the Summer term, so the Plan of Study grid also needs to be updated; *Effective Date:* Fall 2025 (202610).

2425-048　　　　B.S. in Cardiopulmonary Sciences, CPM…………………………………Sharon Shenton
Purpose: Statement of Program Goals added in order to meet CoARC (Commission on Accreditation for Respiratory Care) accreditation standards. Program Goal added for Cardiovascular Techs for completeness. Add AMH 2010 for civic literacy; *Effective Date:* Fall 2025 (202610).

2425-049　　　　Semiconductor Engineering Technology A.S. to B.S. to UCF, CPA……..N. Hedayat
Purpose: This is a specialized program pathway to UCF Bachelor of Science in Semiconductor Engineering. It is developed as one of the requirements of the NSF Engine grant; *Effective Date:* Fall 2025 (202610).

2425-050　　　　A.S in Semiconductor Engineering Technology, CPA………………………..N. Hedayat
Purpose: To prepare students for the current and future jobs in semiconductor industries; *Effective Date:* Fall 2025 (202610).

2425-051   Semiconductor Cleanroom Maintenance Technician TC, CPA…………..N. Hedayat
Purpose: To prepare students for current and future jobs in semiconductor industry; *Effective Date:* Fall 2025 (202610).

2425-052   EGN 2332   Mechanics of Material, CCD……………………Mohua Kar
Purpose: Course number being changed to add a C; *Effective Date:* Fall 2025 (202610).

2425-053   EGN 2332C   Mechanics of Material, CCA……………………Mohua Kar
Purpose: This course is equivalent to UCF's EGN 3331C. This course is required for Civil, Construction and Environmental Engineering majors. Valencia will offer this course from Fall 2025. Both AS STEM and SAAT - Engineering students pursuing Civil, Construction and Environmental engineering will take this course; *Credit/Contact/Lab Hours:* 3/4/2/*Prerequisites:* EGN 2312 and MAC 2313; *Corequisites:* MAP 2302; *Course Description:* Concepts of stress, strain, strength, deflection of axial force members, shafts in torsion, beams in flexure, combined stress, stability of columns, and design of simple elements; *Effective Date:* Fall 2025 (202610).

2425-054   EGN 2421   Engineering Analysis, CCM……………………Mohua Kar
Purpose: Revise prerequisites and corequisites; *Revised Prerequisites:* Minimum grade f C in MAC 2312. EGN 2210C; *Revised corequisites:* EGN 2210C; *Effective Date:* Fall 2025 (202610).

2425-055   EGS 2004C   Electrical Networks, CCM………………………………..…………Mohua Kar
Purpose: Added EGN 2421, the new course as pre or co-requisite; *Revised Credit/Contact/Lab Hours:* 3/4/2; *Revised Prerequisites or Corequisites:* MAP 2302 and EGN 2421; *Effective Date:* Fall 2025 (202610).

2425-056   A.S. in Science, Technology, Engineering and Math (STEM), CPM……M. Kar
Purpose: Adding two new courses in the Engineering specializations - EGN 2332C and EGN 2421;
Effective Date: Fall 2025 (202610).

2425-057   CAI 1700   AI for International Business, CCA……………………G. Hensel
Purpose: New study abroad course for AI in international business; *Credit/Contact/Lab Hours:*
1/1/0; *Prerequisites:* None; *Corequisites:* None; *Course Description:* This international course
explores the intersection of information technology and global business, focusing on the role of
artificial intelligence (AI). Students will gain a comprehensive understanding of how AI is used to
drive innovation and efficiency across various industries. Through a Study Abroad Trip, students
will expand their cultural awareness and explore real-world applications of AI in international
settings; *Effective Date:* Fall 2025 (202610).

2425-058   CAI 2100   Introduction to Practical Machine Learning, CCA………G. Hensel
Purpose: This field is mainstream now and students need to be aware how Machine Learning
and Artificial Intelligence is impacting business and society as a whole; *Credit/Contact/Lab
Hours:* 3/3/0; *Prerequisites:* CAI 2000 and COP 1000; *Corequisites:* None; *Course Description:*
This course offers a practical introduction to the key ideas and tools used in machine learning
(ML). Students will learn how to work with data to make predictions, spot patterns, and solve
common problems. The course covers various approaches, including methods for predicting
outcomes and finding relationships in data, such as using decision trees and other simple
techniques. In addition, students will explore how to recognize and address fairness and bias in
machine learning, ensuring responsible and ethical use of these technologies; *Effective Date:*
Fall 2025 (202610).

2425-059   CAI 2200   Introduction to Practical Deep Learning, CCA………G. Hensel
Purpose: Added to AS degree; *Credit/Contact/Lab Hours:* 3/3/0; *Prerequisites:* CAI 2000 and
COP 1000; *Corequisites:* None; *Course Description:* Deep learning has powered many advances
in machine learning by enabling computers to learn from large amounts of data. This course
introduces deep learning concepts in a way that allows students to quickly apply them to real-
world problems. Students will explore various types of neural networks and how they are used
to solve tasks involving text and images. Through a mix of instruction and hands-on exercises,
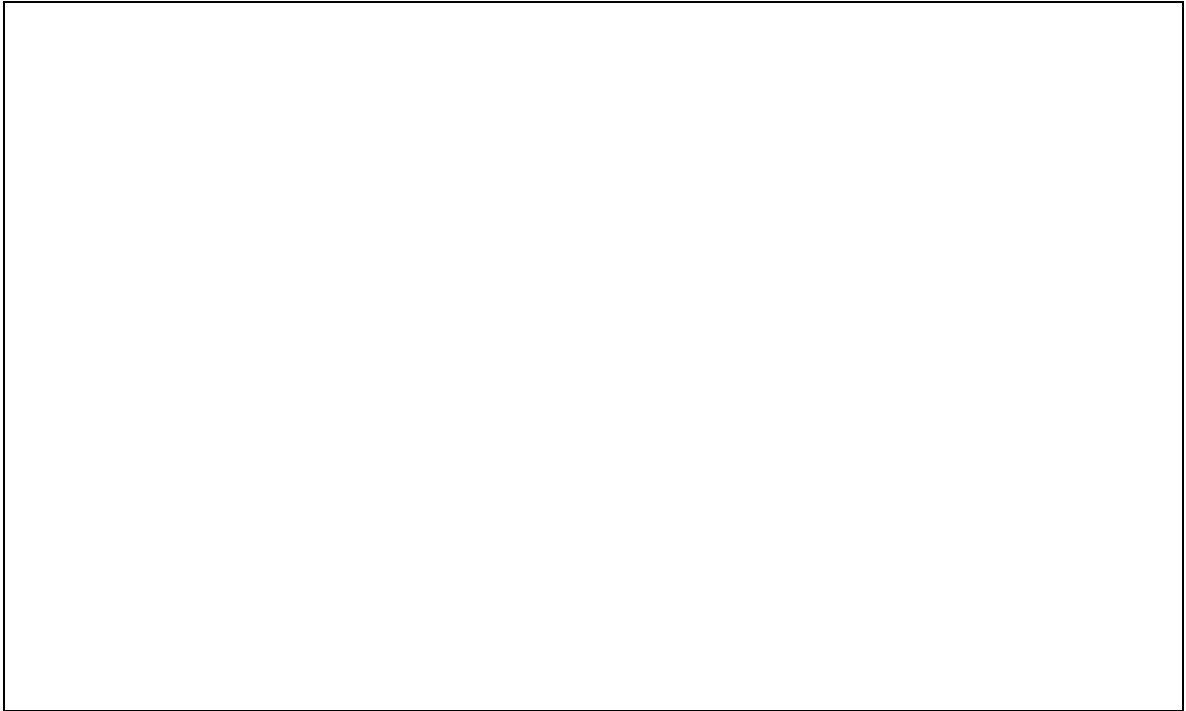students will learn how to build deep learning models and apply them to practical problems in

areas such as language understanding and image recognition; *Effective Date:* Fall 2025 (202610).

2425-060 CAI 2300 Intro to Practical Natural Language Processing, CCA…G. Hensel
Purpose: Added to AS degree; *Credit/Contact/Lab Hours:* 3/3/0; *Prerequisites:* CAI 2000 and COP 1000; *Corequisites:* None; *Course Description:* Natural Language Processing (NLP) is a field of artificial intelligence focused on enabling computers to work with human language. This course introduces students to the essential concepts and techniques used in NLP. Through applied learning, students will engage in practical activities to explore how language can be processed, interpreted, and generated by computers. The course covers real-world applications of NLP, such as translation, question answering, text summarization, and creating conversational systems; *Effective Date:* Fall 2025 (202610).

2425-061 Computer Information Data Specialist TC, CPM……………………………G. Hensel
Purpose: adding new track to certificate in AI; *Revised Program Title:* Computer Information Specialist; *Effective Date:* Fall 2025 (202610).

2425-062   General Education Program Revisions, CPM
Purpose: Revisions in accordance with state standards and to maintain access; *Effective Date:* Fall 2025 (202610).

5. Discussion Items:

There are no discussion items for this month's agenda.

6. Information Items:

There are no information items for this month's agenda.

The next meeting of the College Curriculum Committee is scheduled for **December 4th, 2024,** and will be a zoom meeting.