

CCRI CURRICULUM REVIEW COMMITTEE MEETING

October 22, 2021 2:00-4:00 PM

President's Conference Room

AGENDA

1. CALL TO ORDER

2. ROLL CALL

3. APPROVAL OF MINUTES

4. NON ACTION/ANNOUNCEMENTS

5. ACTION/VOTING ITEMS

NON ACTION/ANNOUNCEMENTS

EXPERIMENTAL COURSE PROPOSAL ANNOUNCEMENTS:

The Social Sciences Department is proposing:

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|--------------------|-----------|---|-----------|
| 1. Course Proposal | HIST 8XXX | World History I | 3 credits |
| 2. Course Proposal | HIST 8XXX | World History II | 3 credits |
| 3. Course Proposal | HIST 8XXX | Latin American History Since Independence | 3 credits |

DEPARTMENT ANNOUNCEMENTS:

The Computer Studies and Information Processing Department is announcing:

1. CNVT 2060 – CCNP T SHOOT Cisco IP Network Course will be deleted

The Physics & Engineering Department is announcing:

1. Engineering Transfer Program Updates, per University of Rhode Island requirements

OTHER ANNOUNCEMENTS:

1. Guest – Vice President for Academic Affairs Rosemary Costigan

ACTION/VOTING ITEMS

Revised Course Proposal: Human Biology

BIOL 1070, 3 credits

Originator: Christine Turenus-Bell, Ph.D.

RATIONALE:

The Biology Department recently added a new pair of courses, BIOL 2201 and 2202 Human Anatomy & Physiology 1 and 2, respectively. These replaced the two one-semester courses, Anatomy (1010) and Physiology (1020). We have since discovered that many students and some advisors mistakenly believe that the one-semester Human Anatomy & Physiology (1070) is a sufficient replacement of the same-named two-semester course. Many students taking 2201/2202 are doing so in an effort to gain entry into the Nursing program. BIOL 1070 is, as such, an insufficient replacement. We propose renaming BIOL 1070 to more clearly contrast the breadth and depth of this one-semester course.

CATALOG DESCRIPTION:

OLD:

This course introduces students to the basic principles of anatomy and physiology necessary for a general understanding of the human body. The relationship between structure and function is emphasized. (Prerequisite: ENGL 0700 and MATH 0099 with grade of C or appropriate placement test score) Lecture: 3 hours

NEW:

This course introduces students to the basic principles of anatomy and physiology necessary for a general understanding of the human body. The relationship between structure and function is emphasized. This course is not a replacement for BIOL 2201 and BIOL 2202. (Prerequisite: ENGL 0700 and MATH 0099 with grade of C or appropriate placement test score) Lecture: 3 hours

Revised Course Proposal: Computer Repair A+ Hardware

CNVT 1000, 3 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

Updating Course Outcomes

CATALOG DESCRIPTION:

OLD:

This course covers the installation, configuration and troubleshooting of hardware components. The material is presented to prepare the student for the A+ Core Hardware examination.

NEW:

N/A

Revised Course Proposal: Computer Repair A+ Software

CNVT 1010, 3 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

Updating Course Outcomes

CATALOG DESCRIPTION:

OLD:

This course covers installation, configuration and troubleshooting of software/operating system components. The material is presented to prepare the student for the A+ OS Technologies examination.

NEW:

N/A

Revised Course Proposal: Networking Technology

CNVT 1810, 3 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

Updating Course Outcomes, name, and description

CATALOG DESCRIPTION:

OLD:

This course provides students with a thorough understanding of how basic networking components work in a practical hands-on environment utilizing state-of-the-art telecommunications equipment.

NEW:

Introduction to Networks covers the architecture, structure, functions and components of the Internet and other computer networks. Students achieve a basic understanding of how networks operate and how to build simple Local Area Networks (LAN), perform basic configurations for routers and switches, and implement Internet Protocol (IP).

Revised Course Proposal: Networking 2

CNVT 1820, 3 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

Updating Course Outcomes, name, and description

CATALOG DESCRIPTION:

OLD:

This course focuses on networking terminology and protocols, networking standards, LAN, WAN, OSI modules, Ethernet, token ring, FDDI, TCP/IP addressing protocol, dynamic routing and the network administrator's role and function.

NEW:

Switching, Routing, and Wireless Essentials (SRWE) covers the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts. Students learn how to configure and troubleshoot routers and switches for advanced functionality using security best practices and resolve common issues with protocols in both IPv4 and IPv6 networks.

Revised Course Proposal: Networking 3

CNVT 1830, 3 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

Updating Course Outcomes, name, and description

CATALOG DESCRIPTION:

OLD:

This course focuses on advanced networking concepts that enable students to design and implement local area networks and virtual local area networks.

NEW:

Describes the architecture, components, operations, and security to scale for large, complex networks, including Wide Area Network (WAN) technologies. Emphasizes network security concepts and introduces network virtualization and automation. Students will learn how to configure advanced routing and switching protocols; identify threats and enhance network security; implement IPv4 Access Control Lists (ACLs); configure Network Address Translation (NAT) services; explain virtualization, software defined networking, and automation.

Revised Course Proposal: Advanced Routing

CNVT 1830, 5 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

Updating Course Outcomes, name, and description

CATALOG DESCRIPTION:

OLD:

Cisco ROUTE covers specialized routing concepts including advanced IP addressing techniques, CIDR, NAT, DHCP, IP helper addresses, dynamic routing, static routing, default routing, single area OSPF, multi-area OSPF, point-to-multipoint OSPF, multi-area OSPF, EIGRP route summarization, route redistribution, route filters, route maps, policy routing, BGP, IPv6 and network security.

NEW:

Cisco Certified Network Professional (CCNP) Enterprise: Advanced Routing provides students with an in-depth knowledge to support the implementation and troubleshooting of advanced routing technologies and services including layer 3 Virtual Private Network (VPN) services, infrastructure security and infrastructure services used in enterprise networks. (Fall only)

Revised Course Proposal: Core Networking

CNVT 2030, 5 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

Updating Course Outcomes, name, and description

CATALOG DESCRIPTION:

OLD:

Cisco SWITCH concentrates on advanced concepts of multi-layer switching in a network environment. Topics include switching technologies, LAN Media, Gigabit Ethernet, switch configuration, VLANs, VLAN Trunking Protocol (VTP), Spanning Tree Protocol, multi-layer switching, redundant routing protocols, multicasting, and restricting network access.

NEW:

Cisco Certified Network Professional (CCNP) Enterprise: Core Networking (ENCOR) provides students with a broad scope of architectural understanding and implementation skills required by enterprise networks. The course covers switching, routing, wireless, and related security topics along with the technologies that support software-defined, programmable networks. (Spring only)

Revised Course Proposal: Basic Voice Over Internet Protocol (VoIP)

CNVT 2100, 3 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

Updating Course Outcomes and description

CATALOG DESCRIPTION:

OLD:

This course concentrates on the transmission of Voice Over Internet Protocol (VoIP). Focus is on the transmission of voice over high-speed network connections and quality of service issues and solutions

associated with this transmission. VoIP technology, signaling standards, network configuration and queuing are addressed.

NEW:

This course concentrates on the transmission of Voice Over Internet Protocol (VoIP). Focus is on the transmission of voice over high-speed network connections and quality of service issues and solutions associated with this transmission. VoIP technology, signaling standards, network configuration and queuing are addressed. (Fall only)

Revised Course Proposal: Networking Security Hardware

CNVT 2200, 4 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

Updating Course Outcomes and description

CATALOG DESCRIPTION:

OLD:

This course concentrates on network security procedures and practices as they apply to routed networks. Security threats and their management; intrusion detection; securing networks through hardware devices; Authentication, Authorization and Accounting (AAA); firewall technologies; cryptographic systems and virtual private networks (VPNs) are included.

NEW:

The Security course provides a next step for individuals who want to enhance their networking skill set to help meet the growing demand for network security professionals. Course introduces the core security concepts and skills needed for the installation, troubleshooting, and monitoring of network devices to maintain the integrity, confidentiality, and availability of data and devices.

Revised Course Proposal: Desktop Technician-Consumer

CNVT 2300, 3 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

Updating Course Outcomes

CATALOG DESCRIPTION:

OLD:

In this course, students learn how to install and support users running the Microsoft Windows operating system. Topics include installing operating systems and service packs, managing access to files and folders, configuring hardware devices and drivers, setting up network protocols, configuring security options and troubleshooting associated problems. (Fall Only)

NEW:

N/A

Revised Course Proposal: Desktop Technician-Business

CNVT 2310, 3 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

Updating Course Outcomes

CATALOG DESCRIPTION:**OLD:**

In this course, students learn how to install and support desktop applications running under the Microsoft Windows operating system. Applications include the complete Office Suite, Outlook and Internet Explorer. Students learn how to set up standard and custom configurations for these applications. They also learn how to manage security issues and respond to breaches. Troubleshooting problems associated with these applications, including connectivity issues, also are explored. (Spring Only)

NEW:

N/A

Revised Program Proposal: Network Software Certificate

CMNC, 18 credits

Originators: Tony Basilico, Kevin Crawford

RATIONALE:

This was modified so students can take this certificate and be able to transfer into the new Networking Technology Degree. Students can take another certificate as well to help work towards the degree.

CATALOG DESCRIPTION:

The Networking Software prepares students for careers in modern office environments, emphasizing both client and server technologies. Certificate programs emphasize technical coursework only and do not require the general education electives needed for the associate degree option.

Note: To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of C or better. Credits earned in this certificate program may be applied toward the Networking Technology associate degree program. Many courses require prerequisites, corequisites and/or testing.

Revised Program Proposal: A.A.S. Networking Technology

CNTD, 61/63 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

This degree needs to be modified as CISCO no longer offers CNVT-1840. Therefore, by making the change to add COMI-2037 in its place, this will allow students to go one more semester and they can earn a dual degree of Networking and Cybersecurity.

CATALOG DESCRIPTION:

Networks continue to expand in all aspects of our personal activities to business, manufacturing, education and health care. This program provides a balanced coverage of technology fundamentals, emphasis on this concentration prepares students for careers in modern office environments, focused on both client/server technologies and networking technology. Importance is placed on operating principles of programming, hardware, software, networking models, Network operating systems, internetworking components, and industry standards along with hands-on laboratory activities for developing practical problem-solving skills. Students develop the ability to design, configure, secure and troubleshoot basic local area networks (LANs) and

internetworks using servers, routers and switches. Integrated into the program are courses that prepare students to sit for both the Server and Networking certifications. Depending on the path taken, students can choose between two tracks: Networking or programing emphasis.

Revised Program Proposal: Network Technician Certificate

NWTC, 18 credits

Originators: Kevin Crawford, Tony Rashid

RATIONALE:

This degree needs to be modified as CISCO no longer offers CNVT-1840. Therefore, by making the change to add COMI-2037 in its place, this will allow students to go one more semester and they can earn a dual degree of Networking and Cybersecurity.

CATALOG DESCRIPTION:

Networks continue to expand in all aspects of our personal activities in business, manufacturing, education and health care. This concentration provides a balanced coverage of technology fundamentals and networking technology. Emphasis is placed on operating principles, networking models, operating systems, internetworking components and industry standards, along with hands-on laboratory activities for developing practical problem-solving skills. Students develop the ability to configure local area networks (LANs) and internetworks using routers and switches. Courses that prepare the student to sit for the Cisco CCENT and CCNA exams are integrated into the program.

Note: All courses in this certificate program can be applied to the Computer and Networking Technology A.A.S. degree (AAS_CNTD). Many courses require prerequisites, corequisites and/or testing.

New Program Proposal: Personal Trainer Certificate

PHED, 30 credits

Originators: Wendy Pelto

RATIONALE:

As businesses, government and insurance organizations recognize the benefits of health and fitness programs for their employees, incentives to join gyms or other types of health clubs are expected to increase the need for fitness trainers, personal trainers and instructors.

Educating and motivating men and women of all ages to become more physically active has been shown to improve numerous conditions and reduce the risk of serious medical conditions including obesity, elevated blood sugar, elevated blood cholesterol, elevated stress levels.

42.4% of American adults are classified as obese. As fitness trainers or personal trainers are knowledgeable in fitness as well as nutrition, they can be a great resource for obese Americans looking for and needing a change.

30% of Rhode Islanders, 25,2% of Massachusetts residents and 29.1% of Connecticut residents self-reported obesity in 2019. No state or territory with in the United States had a prevalence of obesity of less than 20% in 2019.

As the members of the largest generation in United States history is entering retirement, they wish to remain healthy, independent, and mobile well into advancing age. There will be a need for trainers both in residential care facilities and nursing homes.

As many schools are cutting back on physical education programs due to budget constraints, we are seeing an increase in childhood obesity. Many parents are enrolling their children in health clubs and are hiring personal trainers to get their children into shape.

CATALOG DESCRIPTION:

This two-semester certificate program is designed for students who want to work as fitness instructors in fitness centers or as independent personal trainers. Upon completion of this program students will be prepared to sit for professional certification exams sponsored by the American College of Sports Medicine, National Academy of Sports Medicine, or the National Strength and Conditioning Association. The courses in this program come from the disciplines of anatomy, physiology, psychology, nutrition, health and exercise science.

New Course Proposal: Field Experience

PHED XXXX, 3 credits

Originators: Wendy Pelto

RATIONALE:

The primary purpose of the course is to provide academic and practical preparation for students desiring to sit for certifying examinations sponsored by the American College of Sports Medicine, the National Strength and Conditioning Association or the National Academy of Sports Medicine. The practical preparation will be what differentiates this program from other programs in the region and online.

CATALOG DESCRIPTION:

OLD:

N/A

NEW:

The course is designed to provide students with the opportunity to gain hands-on professional personal training experience by the field placement assignment. This will also provide an opportunity for the student to contribute to the local fitness community. The course will review and reinforce the scope of practice and legal responsibilities of personal trainers. 3 credit hours.

Lecture: 2 hours; Other: 30 hours

New Course Proposal: Principles of Exercise Science

PHED XXXX, 3 credits

Originators: Wendy Pelto

RATIONALE:

This course will develop the knowledge base needed by students entering the personal training work force. It provides both lecture and laboratory assignments to create the critical thinking skills of health related content skills required by personal trainers.

CATALOG DESCRIPTION:

OLD:

N/A

NEW:

This course provides students with the recommendations and rationale necessary to design fitness programs for healthy adults and special populations. The biomechanical aspects of proper exercise performance using strength training machines, free weight equipment as well as cardiorespiratory equipment will be presented. Students will demonstrate a thorough understanding of movement patterns, the variables of training, and the

principles of exercise selection by the creation of appropriate exercise programs for different populations. 3 credits (2 hours Lecture, 3 hours Lab)