Grant Title: **Accelerated Pathways in Advanced Manufacturing (APAM)**
Author: **Community College of Rhode Island**
Link: http://www.ccri.edu/

Document: Number10 Strategy3 Activity1 Deliverable14i - 08-ETCN-2400-Industry and OSHA10-rev.04

DOL Disclaimer Statement:

COURSE PROPOSAL APPROVAL TRACKING FORM

Name of Proposal: Industry and OSHA-10 Seminars

SIGNATURES REQUIRED PRIOR TO SUBMISSION

Academic Department

Proposal Originator(s): _____ _____
Signature Date

_____ _____
Signature Date

Department Vote for Approval: # Yes 10 # No _____ # Not Voting _____
(Department members voting "no" may submit a separate report)

Department Chair: _____ _____
Signature Date

Academic Dean: _____ _____
Signature Date

Note: ***All sections of this form must be completed and submitted with all required attachments to the Chair of the Curriculum Committee according to published distribution schedule. Should you have any questions, call the Office of the Dean of Business, Science and Technology, 825-2147.***

CURRICULUM REVIEW COMMITTEE MEETING FOLLOW UP

Meeting Date: _____ **Committee Vote:** # Yes 10 # No _____ # Abstentions _____

Curriculum Committee Chair: _____ _____
Signature Date

☐ **Forward to VPAA and President** ☐ **Return to Department**

V.P. for Academic Affairs: _____ _____
Signature Date

READY FOR IMPLEMENTATION

President: _____ _____
Signature Date

File: Office of Vice President for Academic Affairs

Community College of Rhode Island

Course Proposal:

x	**New Course**
	Revised Course

Please attach a course syllabus with course topics, textbook titles and evaluation methods.

Date Submitted: _____ / _____ / _____

DEPARTMENT: **Engineering and Technology Raymond Ankrom**

DEVELOPED BY: **Raymond Ankrom**

COURSE TITLE: **Industry and OSHA-10 Seminars**

COURSE NUMBER: **ETCN-2400**

CREDITS: 1

CONTACT HOURS PER WEEK		
Lecture hours: _____	**Lab hours:** _____	**Other:** (Clinical hrs., Practicum, etc.) 2

ACTUAL COURSE MEETING TIME -- HOURS / MINUTES PER WEEK		
Lecture hours / minutes: _____	**Lab hours / minutes:** _____	**Other:** (Clinical hrs., Practicum, etc.) 2

Please circle: **this is a 1st year course** **this is a 2nd year course**

If this course will be required in a specific academic program(s), indicate below:

A.S. Manufacturing Technology degree

If this course will replace another course in a specific academic program, indicate below:

No

If this course ran on an experimental basis, indicate the course number: _____

Rationale:

Working safe in a safe working environment is the highest priority in the 21st century Advanced Manufacturing facility. Students who have been trained so as to receive the OSHA 10 hour card will have an understanding to OSHA and important details concerning a safe workplace. The OSHA 10 hour card shows employers that the student has had a good introduction to safety concerns that are foremost in today's general industry workplace.

This course will also provide students with networking opportunities to positive Advanced Manufacturing companies currently using skills that the students are learning and developing in the certificate and A.S degree programs.

CATALOG DESCRIPTION (include old and new):

OLD:

NEW:

Working safe in a safe working environment is the highest priority in the 21st century Advanced Manufacturing facility. Students who have been trained so as to receive the OSHA 10 hour card will have an understanding to OSHA and important details concerning a safe workplace. The OSHA 10 hour card shows employers that the student has had a good introduction to safety concerns that are foremost in today's general industry workplace.
This course will also provide students with networking opportunities to positive Advanced Manufacturing companies currently using skills that the students are learning and developing in the certificate and A.S degree programs. Industry leaders will address students in the classroom, describing their place in the growing Advanced Manufacturing market, and the place for the skills that the students have.

PREREQUISITE: _____

List course number, title and reading level

CO-REQUISITE: _____

List course number, title and reading level

TRANSFERABILITY: Is this course intended for transfer to the following institutions:

☐ RIC ☐ URI ☐ Other, please specify _____

How does the course align with existing transfer agreements? Please list the specific course(s) at sister institution this proposed course will match.

N/A

<u>Student Learning Outcomes/Educated Person</u>:

The learning outcomes of specific courses foster multiple perspectives which contribute to the acquisition of desired graduate outcomes as well as to inform and deliver discipline related content.

✓ ***On the next page entitled "Student Learning Outcomes"***

- **Please delineate the major learning outcomes for the proposed course. Each learning outcome should be written in a format that follows the statement "as a result of this course, a student will be able to:"**
- **Indicate what techniques/methods will be used to achieve these student learning outcomes?**
- **List how will the student learning outcomes be assessed?**

Community College of Rhode Island

Student Learning Outcomes

Course Title: **Industry and OSHA-10 Seminars**

The learning outcomes of specific courses are to foster multiple perspectives that contribute to the acquisition of desired graduate outcomes as well as to inform and deliver discipline related content.

Please delineate below the major learning outcomes for the proposed course. Learning Outcomes should be written in a format that follows the statement: "as a result of this course, a student will be able to…"

Item #	STUDENT LEARNING OUTCOMES	TECHNIQUES/METHODS USED TO ACHIEVE OUTCOMES	TYPE(S) OF ASSESSMENT USED TO DETERMINE THE DEGREE TO WHICH THE OUTCOMES ARE ACHIEVED
1	As a result of this class the student will have had the training by an authorized OSHA trainer to obtain the 10 hour card.	Class lectures will include Power Point presentation, safety training videos, guest lecturers, and web support materials.	Quizzes, class interaction, student demonstration of learned materials.
2	As a result of this class the student will be able to identify a variety of Advanced Manufacturing workplaces in Rhode Island providing opportunities for employment	Class lectures will include Power Point presentation, safety training videos, guest lecturers, and web support materials.	Quizzes, class interaction, student demonstration of learned materials. Response paper, following up on guest presentation.

CCRI Definition of an Educated Person: Four Abilities

The Community College of Rhode Island recognizes four critical areas that define the learning outcomes of a CCRI graduate. These four abilities can be applied in many contexts and are critical skills that must be developed not only at CCRI, but over the course of a lifetime. These core abilities guide students, faculty and staff in establishing educational goals and assessing learning within and across the primary domains of knowledge: arts and humanities, science and mathematics, and the social sciences.

Since individual courses provide the opportunity to gain knowledge in these four critical areas, it is essential to understand which areas are to be covered in each course. In each of the four areas below, please indicate in the Item(s) # box next to each critical element, the Item #(s) from the previous page (Student Learning Outcomes) which supports the Educated Person Ability that is covered.

		Item(s) #
1.	**Effective Communication**	
a.	**Use standard English grammar and mechanics**	**x**
b.	**Create work that addresses a given purpose and context and responds to the target audience**	
c.	**Present a central idea, supported by concrete, relevant details**	**x**
d.	**Establish a clear and consistent sequence of ideas**	**x**
2.	**Critical Thinking**	
a.	**Identify and analyze complex ideas**	
b.	**Determine a research focus and the nature and scope of information needed**	
c.	**Locate, evaluate, and use information effectively**	**x**
d.	**Draw logical conclusions from information**	**x**
e.	**Express well-reasoned or innovative perspectives**	
3.	**Quantitative, Mathematical and Scientific Reasoning**	
a.	**Demonstrate an understanding of mathematical, quantitative or scientific principles.**	
b.	**Apply a scientific approach in asking questions**	**x**
	Apply mathematical, quantitative, or scientific principles in solving problems	
d.	**Interpret numeric information in graphical forms**	
4.	**Social Interaction**	
a.	**Evaluate ethical dimensions of decisions**	
b.	**Use teamwork to accomplish tasks in groups**	**x**
c.	**Demonstrate an understanding of global, cultural and historical perspectives.**	**x**

Note: With respect to the four abilities listed above, the level of attainment achieved should reflect the needs of the specific program. **It is not necessary that individual courses address each outcome, yet, in total, all courses required by a program of study must together meet these goals.**

ADMINISTRATIVE PLANNING

Indicate the campus(es) where the course will be offered: Knight X Flanagan ____ Liston X Newport ____

Indicate: Days X Evenings X TV ____ Internet ____ Satellites ____ Specify: ____

Indicate semester(s) the course will be offered: Fall X Spring X Summer ____

Indicate the course scheduling format: 15 weeks X 5 week module ____ Other ____

Requested start date: 08 / 30 / 2016

FINANCIAL:

Will this course necessitate purchasing new capital equipment? Yes [ ] No [x]

If yes, type and source of funding for purchase:

Specify amount and type of additional operating funds required to support this course, including any software:

Will students be required to use a lab as part of the course? Yes [ ] No [x]

If yes, specify lab characteristics and lab preference (e.g., public computer lab, electronic classrooms, specific science lab, etc.):

Classroom on the ground floor on the Warwick campus rooms 073 and/or 0100

Will course require a lab fee? Yes [x] No [ ]

Explain the reasons for requesting a lab fee. List specific items requiring replacement each semester/year.

There is a fee for processing and issuing OSHA 10 hour cards.

ADMINISTRATIVE PLANNING continued:

Do current full-time or adjunct faculty possess requisite education/experience? Specify additional/unique training that may be required.

Yes, OSHA authorization must be renewed or training class retaken http://www.oshaedne.com/

Will additional staff hiring be required to implement this course proposal? **Yes** [ ] **No** [x]

If yes, specify requirements/skills:

N/A

What *additional* books, periodicals, data bases or other resources are needed in the Library to support the course?

Training materials available on OSHA.gov website for 10 hour trainers

If another department(s) will be impacted by this course offering, indicate the department(s) involved, the potential impact, and the principals involved in these discussions.

N/A

Industry and OSHA10 Seminars
ETCN-2400

This course will be made up of a series of two hour seminars.

- A -Five seminars covering OSHA10 regulations
- B-Five labs covering OSHA Manufacturing specific case studies
- C-Five industry speak seminars
- Totaling 30 contact hours

A. The OSHA Seminar portion of the course will cover the follow:

10-Hour General Industry – Designated Training Topics. This training program is intended to provide entry level general industry workers information about their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid and prevent job related hazards on a job site. The training covers a variety of general industry safety and health hazards which a worker may encounter. Training should emphasize hazard identification, avoidance, control and prevention, not OSHA standards. Learning objectives on some of these topics are on the CD which is distributed in all OSHA General Industry trainer classes, and available for download at the Outreach Training Program website (www.osha.gov/dte/index.html). Instructional time must be a minimum of 10 hours. The minimum topic requirements are as follows:

1. **Mandatory - 7 hours**

    a. **Introduction to OSHA – 2 hours.**

        1. OSHA has required training content for this module.

        2. Covers workers' rights, employer responsibilities and how to file a complaint. It includes helpful worker safety and health resources. It also provides samples of a weekly fatality and 3 catastrophe report, material data safety sheet and the OSHA Log of Work-Related Injuries and Illnesses.

        3. Materials include an Instructor Guide, PowerPoint slides, student handouts, and participatory activities.

    b. **Walking and Working Surfaces, including fall protection – 1 hour.**

    c. **Exit Routes, Emergency Action Plans, Fire Prevention Plans, and Fire Protection – 1 hour.**

    d. **Electrical – 1 hour.**

    e. **Personal Protective Equipment – 1 hour.**

    f. **Hazard Communication – 1 hour.**

2. **Elective - 2 hours.** Must present at least two hours of training on the following topics. At least two topics must be presented. The minimum length of any topic is one-half hour.

    a. **Hazardous Materials**

    b. **Materials Handling**

    c. **Machine Guarding**

    d. **Introduction to Industrial Hygiene**

    e. **Bloodborne Pathogens**

    f. **Ergonomics**

    g. **Safety and Health Program**

    h. **Fall Protection**

3. **Optional - 1 hours.** Teach other general industry hazards or policies and/or expand on the mandatory or elective topics. The minimum length of any topic is one-half hour.

B. Five Manufacturing related OSHA 10 case studies

Selected by instructor and relation to practical OSHA related case studies. Students will required to submit summary reports.

C. Five Industry Leader Seminars

The instructor will arrange for manufacturing industry representative to present topics that will be relevant to student learning outcomes. Student will be required to submit a report on the presentation.