

# ***EXHIBIT B***



**BOARD OF TRUSTEES**

**Bylaw, Policy, and Curriculum Committee Agenda Items**

**To:** Board of Trustees  
**From:** Office of the President  
**Date:** January 20, 2022

The following Bylaw, Policy, and Curriculum Committee items are recommended to the Ocean County College Board of Trustees for approval at its meeting on **Thursday, January 27, 2022**:

1. Recommend approval of the following revised policies:
  - a. Policy #5230, Students, Campus Life, Formal Student Complaints (**Exhibit B-1**)
  - b. Policy #7160, Educational Programs, Course and Curriculum, Program Evaluation (**Exhibit B-2**)
  - c. Policy #7165, Educational Programs, Course and Curriculum, Course Evaluation (**Exhibit B-3**)
2. Recommend approval of the following items as accepted by the College Senate at its meeting on January 6, 2022:
  - a. Revised Certificate
    - 1) Certificate of Completion in Environmental Sustainability (**Exhibit B4**)
  - b. Revised Courses
    - 1) ARTS 182, Art from Renaissance to Modern World (**Exhibit B-5**)
    - 2) ARTS 184, Two-Dimensional Design (**Exhibit B-6**)
    - 3) ARTS 185, Figure Drawing (**Exhibit B-7**)
    - 4) ARTS 205, Modern Art (**Exhibit B-8**)
  - c. Revised Course Codes
    - 1) MNFG 102 to ENGT 102, Manufacturing Processes (**Exhibit B-9**)
    - 2) MNFG 114 to ENGT 114, Principles of Quality Control in Manufacturing (**Exhibit B-10**)
    - 3) MNFG 140 to ENGT 140, Introduction to Computer Numeric Controlled (CNC) Machines (**Exhibit B-11**)
    - 4) ELET 144 to ENGT 144, DC/AC Electric Circuits (**Exhibit B-12**)
    - 5) ELET 150 to ENGT 150, Automated Control Systems (**Exhibit B-13**)

## ***EXHIBIT B-1***

Ocean County College, Toms River, NJ

STUDENTS  
CAMPUS LIFE  
Formal Student Complaints

Grievances #5230

POLICY

Any student who believes he or she has been harmed by the interpretation, application or violation of college policies and/or procedures may file a complaint. Staff of the Office of the Vice President of Student Affairs will monitor timing of responses, activity and will prepare reports on activity and any trends in student formal complaints, through the Vice President of Student Affairs' Office.

The complaint shall be handled in accordance with appropriate procedure approved by the President.

ADOPTED: September 27, 1976

Revised: April 22, 1996

Revised: February 28, 2000

Revised: November 20, 2000

Revised: December 1, 2008

## ***EXHIBIT B-2***

Ocean County College, Toms River, NJ

EDUCATIONAL PROGRAMS  
COURSE AND CURRICULUM  
Program Evaluation #7160

POLICY

In recognition of its responsibility for the efficient allocation of resources and its mission of service to the community, Ocean County College shall establish criteria for the evaluation of the effectiveness of its academic programs. These criteria will serve as guides when the College is deciding to continue, revise or terminate program will be utilized as a guide for College decision making related to academic program continuance, revision or termination.

ADOPTED: November 26, 1979

Reviewed: November 11, 1991

## ***EXHIBIT B-3***

Ocean County College

EDUCATIONAL PROGRAMS  
COURSE AND CURRICULUM  
Course Evaluation #7165

**POLICY**

Ocean County College conducts course-level assessment primarily in high-enrollment 100-level courses representing the academic schools core program courses representing all academic programs that award a degree.

Adopted: December 10, 2001  
Revised: June 27, 2011



## ***EXHIBIT B-4***

**Program Type**

Certificate of Completion

**Program Title**

Environmental Sustainability, Certificate of Completion

**Academic School**

Science, Technology, Engineering, Mathematics

**Effective Catalog Year**

2022-2023

**Program Code**

CC.ENVSU

**CIP Code**

30.3301 - 30.3301

**Program Description**

The program description should be developed with the program goals in mind. Also, consider that it will be what goes into the college catalog and will represent the program publicly in the future. Try to make it readable for students and informative but not too busy. This should give a brief synopsis of what the program offers in terms of content, transfer, and career.

This certificate can be taken independently or as a complement to the environmental science degree program. This certificate will provide students with the knowledge, skills, and tools needed to conduct baseline sustainability surveys and assessments. Students will work under the guidance of a senior scientist.

**Program Learning Outcomes**

<b>Students who successfully complete this program will be able to:</b>	
PLO1	Analyze the fundamental environmental, social, and economic issues underlying sustainability.
PLO2	Apply the principles of greenhouse gas analysis and reduction our daily lives.
PLO3	Critically evaluate the various global and national standards we use to assign life cycle values to products and services. Student will understand green washing, the mislabeling of products and services as green by computing their LCA values.
PLO4	Critically evaluate the need to develop new technologies required to replace fossil fuels and other forms of renewable energy.

## Learning Outcomes Display (show only)

Course Code	PLO 1	PLO 2	PLO 3	PLO 4
<b>Freshman</b>				
<b>First Semester</b>				
<b>ENVI 134</b>				
<b>ENVI 241</b>				
<b>BUSN 273</b>				
<b>Second Semester</b>				
<b>ENVI 121</b>				
<b>ENVI 220</b>				
<b>SOCI 232</b>				
<b>FirstSemester</b>				
<b>SecondSemester</b>				

## Required Qualifications

## Plan of Study Grid

**Freshman**

<b>First Semester</b>	<b>Credit Hours</b>
<u>ENVI 134</u> Carbon Footprint Analysis	3
<u>ENVI 241</u> Environmental Sustainability	3
<u>BUSN 273</u> Corporate Social Responsibility	3
Credit Hours	9

**Second Semester**

<u>ENVI 121</u> Renewable Energy	3
<u>ENVI 220</u> Life Cycle Analysis	3
<u>SOCI 232</u> Social Justice	3
Credit Hours	9
Total Credit Hours	18

## Degree Requirements Breakdown

**GCOM**

Course Code & Title	Credits
N/A	0

**GHUM**

Course Code & Title	Credits
None	0

**GSOC**

Course Code & Title	Credits
None	0

**GSOC/ GHUM**

Course Code & Title	Credits
None	0

**GMAT/ GSCI/ GTEC**

Course Code & Title	Credits
None	0

**General Education**

Course Code & Title	Credits
None	0

**Concentration Courses**

Course Code & Title	Credits
ENVI-134 Carbon Footprint Analysis	3
ENVI-121 Renewable Energy	3
ENVI-220 Life Cycle Assessment	3
ENVI-241 Environmental Sustainability	3
BUSN 271- Corporate Social Responsibility	3
SOCI 232 - Social Justice	3

**Elective Courses**

Course Code & Title	Credits
None	0

**Board Approval****History of Board approval dates**

Inactivated temporarily in Fall 2020 for the 21-22 school year. Certificate needs to be 16+ credits for FA. Discussed adding a BUSN course.

Edited to be 16+ credits and Workflow started on: 11/17/21

**Reviewer Comments**

Key: 77

Select any proposals you would like to bundle together for approval. Only proposals you have saved are available to bundle.

Bundle Title:

Course:

☐ Proposal A

Program:

☐ Proposal B

# ***EXHIBIT B-5***

## **1. Course Information – ARTS 182 – Art From Renaissance to Modern World**

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**Subject**

ARTS - Arts

**School**

Arts and Humanities

**Course Title**

Art From Renaissance to Modern World

## **2. Hours**

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**Semester Hours**

3.00000

**Lecture**

3

**Lab**

0

**Practicum**

0

## **3. Catalog Description**

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**For display in the online catalog**

This course is a survey of the development of the visual arts from the Renaissance to the Modern period, this course will explore the physical, philosophical, political, and sociological means through which cultures define themselves in artworks. Emphasis will be on identifying characteristics inherent to works of art and how they relate to former and future work.

## **4. Requisites**

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**Prerequisites****Corequisites**

## **5. Course Type**

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**Course Type for Perkins Reporting**  
non-vocational (not approved for Perkins funding)

## **6. Justification**

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**Describe the need for this course**

ARTS 182 introduces students to the great tradition of the visual and plastic arts in Western culture. Art History not only instructs them in the development of art but also touches on culture, politics, social customs, and historical development of specific societies.

## **7. General Education**

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**Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?**

Yes

**General Education Category**  
Humanities

**General Education Status**  
Approved

## **8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College**

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**Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:**

### **Add item**

o This course will help the college to fulfill its mission of fostering excellence by offering comprehensive programs that develop intentional learners of all ages.

o This course is consistent with the following goals of the college as expressed in the Academic Master Plan:

- Provide a challenging, coherent, and integrated curriculum, including high quality instructional and cultural programs for a diverse population of students.
- Establish a shared commitment to high and meaningful educational and ethical standards.
- Prepare students for successful transfer to other educational institutions.



**Add item**

- Prepare students for a rewarding life marked by personal growth and life-long learning.

**9. Related Courses at Other Institutions****Comparable Courses at NJ Community Colleges****Institution**

Atlantic Cape CC

**Course Title**

Art History from the Renaissance to the Modern Era

**Course Number**

ARTS109

**Number of Credits**

3

**Comments**

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**Institution**

Brookdale CC

**Course Title**

History of Art: Renaissance Through Contemporary

**Course Number**

ARTH107

**Number of Credits**

3

**Comments**

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**Institution**

Mercer County CC

**Course Title**

History of Art II

**Course Number**

ART 122

**Number of Credits**

3

**Comments**

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**Transferability of Course****Georgian Court University**

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
AR116 , Art History II, 3 cr.	Gen Ed: Visual & Performing Arts	

**Kean University**

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
AH1701 "K1, K3", Art-Renssce to Mod. World, 3 cr.	Gen Ed: Humanities	

**Monmouth University**

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
AR242, History of Art II, 3 cr.	Gen Ed: Aesthetics	

**Rowan University**

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
ARHS03104, Art Hist Survey II, 3 cr.	Gen Ed.	

**Rutgers - New Brunswick, Mason Gross School of the Arts**

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
01082106, Introduction to Art History, 3 cr.	Gen Ed: Arts and Humanities, Historical Analysis	

**Stockton University**

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
ARTV2176, Art History II, 3 cr.	Gen Ed:	

If not transferable to any institution, explain:

## **10. Course Learning Outcomes**

**Learning Outcomes**

<b>Students who successfully complete this course will be able to:</b>	
CLO1	Identify specific works and the artists that created them.
CLO2	Place specific works in a relative time period.
CLO3	Discuss the variety of images outside the text that relate to works under discussion.
CLO4	Enhance abilities to describe and identify specific artists and their works.
CLO5	Discuss historical events that influence artists and their imagery.

**Students who successfully complete this course will be able to:**

CLO6	Acquire the vocabulary associated with any discussion of art in history.
CLO7	Discuss or write about object and image as associated with local environments both physical and socio-political.
CLO8	Identify the iconography of specific images.
CLO9	Discuss artistic elements and techniques of production of objects and imagery.
CLO10	Identify locations where images and objects may be experienced first-hand.

**11. Topical Outline**

(include as many themes/skills as needed)

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO1	14th-Century Art in Europe a. New style of painting in Europe	Assigned readings Class discussion Group activities	Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam	CLO: ALL
TO2	Netherlandish Art a. The Renaissance in the North	Assigned readings Class discussion Group activities	Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam	CLO: ALL
TO3	Renaissance Art in 15th-Century Italy	Assigned readings Class discussion Group activities	Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam	CLO: ALL
TO4	Renaissance Art in 16th-Century Italy	Assigned readings Class discussion Group activities	Discussion participation Research paper Short written	CLO: ALL

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
			assignment/analysis Presentation Quiz Exam Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam	
TO5	16th-Century Art in Europe a. Northern Europe b. Spain	Assigned readings Class discussion Group activities		CLO: ALL
TO6	17th Century Art in Europe (the Baroque period) a. Italy b. Spain	Assigned readings Class discussion Group activities		CLO: ALL
TO7	17th-Century Dutch Art and Society	Assigned readings Class discussion Group activities		CLO: ALL
TO8	17th and 18th-century France a. Louis XIV and Versailles b. The Rococo period; aristocratic taste C. Art and revolution; images of the French Revolution	Assigned readings Class discussion Group activities		CLO: ALL

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO9	Arts of Asia a. The Indian Subcontinent b. Southeast Asia c. China d. Korea e. Japan	Assigned readings Class discussion Group activities	Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam	CLO: ALL
TO10	Art of the Americas a. Mesoamerica b. South America c. Spanish conquest/Spanish colonial art d. North America (Native American art)	Assigned readings Class discussion Group activities	Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam	CLO: ALL
TO11	Arts of Africa a. Style and themes in African Art b. Kingdoms and civilizations of sub-Saharan Africa (Shona, Asante, Kongo, Benin City) c. Ethiopia d. Burkina Faso e. Mali f. Nigeria g. European colonialism and African art	Assigned readings Class discussion Group activities	Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam	CLO: ALL
TO12	18th-Century Britain a. Painting b. Print culture c. Architecture d. The country house	Assigned readings Class discussion Group activities	Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam	CLO: ALL

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO13	18th-Century in the United States, Spain, and Italy	Assigned readings Class discussion Group activities	Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam	CLO: ALL
TO14	19th-Century France a. Napoleon b. The Academy c. Realism d. Orientalism e. Impressionism	Assigned readings Class discussion Group activities	Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam	CLO: ALL
TO15	19th-Century Britain a. The Pre- Raphaelites b. Arts and Crafts Movement c. Victorian culture and society	Assigned readings Class discussion Group activities	Discussion participation Research paper Short written assignment/analysis Presentation Quiz Exam	CLO: ALL

## 12. Methods of Instruction

In the structuring of this course, what major methods of instruction will be utilized?

- o Lecture
- o Slide lecture
- o Class discussion
- o Group projects and discussion
- o Home assignments
- o Media – Video
- o Internet assignments and supplements
- o Field trip
- o Short response review (written)
- o Mid term and Final exams
- o Written paper

### **13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)**

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*Information*

**Communication-Written and Oral**

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**Quantitative Knowledge and Skills**

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**Scientific Knowledge and Reasoning**

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**Technological Competency**

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**Information Literacy**

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**Society and Human Behavior**

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**Humanistic Perspective**

Yes

**Related Course Learning Outcome**

CLO1, CLO8, CLO9

**Related Outline Component**

TO: ALL

**Assessment of General Education Goal (Recommended but not limited to)**

Paper, exams, quizzes, presentation

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**Historical Perspective**

Yes

**Related Course Learning Outcome**



CLO2, CLO5, CLO7, CLO10

**Related Outline Component**

TO: ALL

**Assessment of General Education Goal (Recommended but not limited to)**

Paper, exams, quizzes, presentation

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**Global and Cultural Awareness**

Yes

**Related Course Learning Outcome**

CLO1, CLO3, CLO4, CLO7

**Related Outline Component**

TO: ALL

**Assessment of General Education Goal (Recommended but not limited to)**

Paper, exams, quizzes, presentation

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**Ethical Reasoning and Action**

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**Independent/Critical Thinking**

Yes

**Related Course Learning Outcome**

CLO: ALL

**Related Outline Component**

TO: ALL

**Assessment of General Education Goal (Recommended but not limited to)**

Paper, exams, quizzes, presentation

## **14. Needs**

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**Instructional Materials (text etc.):**

An appropriate text will be selected by the department

**Technology Needs:**

**Human Resource Needs (Presently Employed vs. New Faculty):**

**Facility Needs:**

**Library needs:**

## **15. Grade Determinants**

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The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

**A: Excellent**

**B+: Very Good**

**B: Good**

**C+: Above Average**

**C: Average**

**D: Below Average**

**F: Failure**

**I: Incomplete**

**R: Audit**

For more detailed information on the Ocean County College grading system, please see Policy #5154.

## **16. Board Approval**

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### **History of Board approval dates**

Board of Trustees Approval Date: July 28, 2008

Board of Trustees Approval Date: March 26, 2012

Board of Trustees Approval Date: November 3, 2014

Board of Trustees Approval Date: November 03, 2016

### **Reviewer Comments**

**Sheridan Heidi (hsheridan) (Wed, 11 Aug 2021 20:38:45 GMT):** Rollback: Do you want to include the word Western in the course description? Also, please update Section 8 with the new vision, mission, and Academic Master Plan.

Select any proposals you would like to bundle together for approval. Only proposals you have saved are available to bundle.

Bundle Title:

Course:

☐ Proposal A

Program:

☐ Proposal B

## ***EXHIBIT B-6***

## **1. Course Information – ARTS 184 – Two-Dimensional Design**

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**Subject**

ARTS - Arts

**School**

Arts and Humanities

**Course Title**

Two-Dimensional Design

## **2. Hours**

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**Semester Hours**

3.00000

**Lecture**

2.00

**Lab**

2.00

**Practicum**

## **3. Catalog Description**

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**For display in the online catalog**

Two-Dimensional Design introduces the fundamental elements and the foundation principles of design, as they relate to drawing, painting, photography and computer graphics. Students apply the ideologies of visual organization through the use of shape, form, color, space, and texture. Comprehensive visual organization is obtained through studio practice utilizing various materials and techniques.

## **4. Requisites**

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**Prerequisites**

NONE

**Corequisites**

NONE

## **5. Course Type**

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**Course Type for Perkins Reporting**

non-vocational (not approved for Perkins funding)

**6. Justification**

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**Describe the need for this course**

Two-Dimensional Design is an essential developmental composition-based course for fine artists, photographers, and graphic designers. Student design in context the core compositional elements with color theory, controlled craft skills and intentional organization that harmonizes the two-dimensional picture plane. Students gain the ability to communicate effectively in a non-verbal format. Along with Basic Drawing, it serves as a prerequisite for many studio and graphics courses.

**7. General Education**

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Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?

No

If the course does not satisfy a general education requirement, which of the following does it satisfy:

Program-specific requirement

**8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College**

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Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:

**Add item**

- |   |  |
|---|--|
| 1 | This course will help the college to fulfill its mission of fostering excellence by offering comprehensive programs that develop intentional learners of all age |
| 2 | Provide a challenging, coherent, and integrated curriculum, including high quality instructional and cultural programs for a diverse population of students      |
| 3 | Establish a shared commitment to high and meaningful educational and ethical standards.  |
| 4 | Prepare students for successful transfer to other educational institutions.  |

	Add item
5	Prepare students for a rewarding life marked by personal growth and life- long learning.

### 9. Related Courses at Other Institutions

#### Comparable Courses at NJ Community Colleges

**Institution**

Essex County College

**Course Title**

2-D Design

**Course Number**

ARTS205

**Number of Credits**

3

**Comments**
**Institution**

Raritan Valley CC

**Course Title**

2-D Design

**Course Number**

ARTS 105

**Number of Credits**

3

**Comments**

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**Institution**

Bergen CC

**Course Title**

2-D Design

**Course Number**

ART 122

**Number of Credits**

3

**Comments**

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**Institution**

Camden County College

**Course Title**

2-D Design



**Course Number**

ART 198

**Number of Credits**

3

**Comments**

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**Institution**

Salem CC

**Course Title**

2-D Design

**Course Number**

AR 166

**Number of Credits**

3

**Comments**

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**Institution**

Rowan College of South Jersey

**Course Title**

2-D Design

**Course Number**

ART 200

**Number of Credits**

4

**Comments**

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**Transferability of Course**

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**Georgian Court University**

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
Visual Thinking & Design, 3 cr	General Ed	

**Kean University**

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
FA1100 2-D Design, 3 cr	General Ed	

**Monmouth University**

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
AR113 Basic Design I, 3 cr	General Ed	

**Rowan University**

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
ARTG01074, ART STUDIO ELECTIVE, 3 cr	Elective	

**Rutgers - New Brunswick, Mason Gross School of the Arts**

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
EC Elective Credit, 3 cr	Elective	

**Stockton University**

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
ARTVEC, VISUAL ARTS ELECTIVE, 3 cr. NOTE: ARTS183 and ARTS184 = ARTV1161 (INTRO TO TWO-DIMEN. DESIGN)	Elective	

If not transferable to any institution, explain:

## 10. Course Learning Outcomes

**Learning Outcomes**

Students who successfully complete this course will be able to:	
CLO1	Demonstrate facility with core elements of composition.
CLO2	Implement "Unity Principles" in a logical sequence.
CLO3	Apply the fundamental principles of color theory.
CLO4	Display motion, rhythm, texture, visual layering, pattern and other design options.
CLO5	Identify time management strategies and structured studio practice, as they apply to creative work.

Students who successfully complete this course will be able to:	
CLO6	Discover the vocabulary and process of formal analysis.
CLO7	Discuss historical and contemporary design trends and strategies, and bring them to studio practice.
CLO8	Construct a deliberate studio practice with habits of excellent craftsmanship and professional presentation.

## 11. Topical Outline

(include as many themes/skills as needed)

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	Establishing			
	Space:			
	Principles of Unity			
	a. Focal Point	1 lecture/presentation		CLO1, CLO2,
TO1	b. Positive/ Negative space	2. class discussion 3. demonstration 4. Hands-on projects	#1 Project #3 graded oral presentation of project	CLO4, CLO5, CLO6, CLO7, CLO8
	c. Continuation			
	d. Variation			
	e. Repetition			
	f. Proximity			
	Strategies of			
	communicating			CLO1, CLO2, CLO3, CLO5, CLO6, CLO7, CLO8
TO2	Color Theories			
	a. Chroma			
	b. Value			

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	c. Saturation Directing the			
TO3	viewer: Line,  Pattern, Rhythm, motion/action	1 lecture/presentation 2. class discussion 3. demonstration 4. Hands-on projects	#1 Project #3 graded oral presentation of project	CLO1, CLO2, CLO3, CLO4, CLO5, CLO6, CLO7, CLO8
TO4	Establishing space through: Visual Layering, Depth, Value, Contrast	1 lecture/presentation 2. class discussion 3. demonstration 4. Hands-on project	#1 Project #3 graded oral presentation of project	CLO1, CLO2, CLO3, CLO4, CLO5, CLO6, CLO7, CLO8
TO5	Unifying: the Visual Path, Perspective, Cropping	1 lecture/presentation 2. class discussion 3. demonstration 4. Hands-on project	#1 Project #3 graded oral presentation of project	CLO1, CLO2, CLO3, CLO4, CLO5, CLO6, CLO7, CLO8

## 12. Methods of Instruction

In the structuring of this course, what major methods of instruction will be utilized?  
Methods will include, but not be limited to, lecture/PowerPoint presentation, demonstration, class discussion and critique and hands-on studio projects.

## 13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)

*Information*

Communication-Written and Oral

Quantitative Knowledge and Skills

Scientific Knowledge and Reasoning

Technological Competency

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**Information Literacy**

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**Society and Human Behavior**

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**Humanistic Perspective**

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**Historical Perspective**

Yes

**Related Course Learning Outcome**

CLO2, CLO3, CLO5, CLO7, CLO8

**Related Outline Component**

TO1, TO2, TO3, TO4, TO5

**Assessment of General Education Goal (Recommended but not limited to)**

Presentation, group discussion

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**Global and Cultural Awareness**

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**Ethical Reasoning and Action**

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**Independent/Critical Thinking**

Yes

**Related Course Learning Outcome**

CLO1, CLO2, CLO3, CLO4, CLO5, CLO6, CLO7, CLO8

**Related Outline Component**

TO1, TO2, TO3, TO4, TO5

**Assessment of General Education Goal (Recommended but not limited to)**

Presentation, group discussion

## **14. Needs**

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### **Instructional Materials (text etc.):**

Art supplies

### **Technology Needs:**

In-studio computer with Adobe Creative Suite, Epson Laser printer

### **Human Resource Needs (Presently Employed vs. New Faculty):**

Presently employed

### **Facility Needs:**

Adequate studio art space

### **Library needs:**

art & design collection (in place)

## **15. Grade Determinants**

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The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

A: Excellent

B+: Very Good

B: Good

C+: Above Average

C: Average

D: Below Average

F: Failure

I: Incomplete

R: Audit

For more detailed information on the Ocean County College grading system, please see Policy #5154.

## **16. Board Approval**

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### **History of Board approval dates**

Board of Trustees Approval Date: August 25, 2008

Board of Trustees Approval Date: March 26, 2012

Board of Trustees Approval Date: March 29, 2018

**Reviewer Comments**

Select any proposals you would like to bundle together for approval. Only proposals you have saved are available to bundle.

Bundle Title:

Course:

☐ Proposal A

Program:

☐ Proposal B



## ***EXHIBIT B-7***

## **1. Course Information – ARTS 185 – Figure Drawing**

---

**Subject**

ARTS - Arts

**School**

Arts and Humanities

**Course Title**

Figure Drawing

## **2. Hours**

---

**Semester Hours**

3.00000

**Lecture**

2.00

**Lab**

2.00

**Practicum**

0.00

## **3. Catalog Description**

---

**For display in the online catalog**

This course is designed to introduce students to the familiar medium of drawing and its application to the human form. A sequence of studio drawings, live models, and discussions are intended to expand awareness of the visual world and challenge established methods of communication. A disciplined drawing approach to anatomy will emphasize structure, physical irregularity, and the expressive quality of the body. By the end of the course, students will have a better grasp on communicating visually, expressing ideas and opinions and understanding visual choices made by others - and the role of the human body in these areas. Techniques will include perceptual drawing, gesture, value, contour, perspective, as well as various media like pencil, charcoal, ink and collage.

## **4. Requisites**

---

**Prerequisites**

ARTS 183

**Corequisites**

NONE

## 5. Course Type

---

### Course Type for Perkins Reporting

non-vocational (not approved for Perkins funding)

## 6. Justification

---

### Describe the need for this course

This course continues the lessons learned in Basic Drawing and applies them specifically to understanding how to represent the human form. The history of art is incomprehensible without an understanding of how the figure has been represented and how to represent the figure.

## 7. General Education

---

Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?

No

If the course does not satisfy a general education requirement, which of the following does it satisfy:

Program-specific requirement

## 8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College

---

Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:

Add item	
1	This course will help the college to fulfill its mission of fostering excellence by offering comprehensive programs that develop intentional learners of all ages.
2	Provide a challenging, coherent, and integrated curriculum, including high quality instructional and cultural programs for a diverse population of students.
3	Establish a shared commitment to high and meaningful educational and ethical standards.
4	Prepare students for successful transfer to other educational institutions.

5	<p style="text-align: center;"><b>Add item</b></p> <p>Prepare students for a rewarding life marked by personal growth and life- long learning.</p>
---	--

### 9. Related Courses at Other Institutions

#### Comparable Courses at NJ Community Colleges

**Institution**

Mercer County CC

**Course Title**

Life Drawing

**Course Number**

ART 104

**Number of Credits**

3

**Comments**
**Institution**

Atlantic Cape CC

**Course Title**

Figure Drawing

**Course Number**

ARST 207

**Number of Credits**

3

**Comments**

---

**Institution**

Brookdale CC

**Course Title**

Figure Drawing

**Course Number**

ARTS 213

**Number of Credits**

3

**Comments**

---

**Institution**

Raritan Valley CC

**Course Title**

Figure Drawing I

**Course Number**

ARST 242

**Number of Credits**

3

**Comments**

---

**Institution**

Bergen CC

**Course Title**

Life Drawing I

**Course Number**

ARTS 123

**Number of Credits**

3

**Comments**

---

## **Transferability of Course**

### **Georgian Court University**

<b>Course Code, Title, and Credits</b>	<b>Transfer Catagory</b>	<b>If non-transferable; select status</b>
AR 213, Figure Drawing, 3cr	Unspecified	

### **Kean University**

<b>Course Code, Title, and Credits</b>	<b>Transfer Catagory</b>	<b>If non-transferable; select status</b>
FA 3230, Life Drawing, 3cr	Unspecified	

### **Monmouth University**

<b>Course Code, Title, and Credits</b>	<b>Transfer Catagory</b>	<b>If non-transferable; select status</b>
AR 192, Drawing II, 3cr	Aesthetics	

### **Rowan University**

<b>Course Code, Title, and Credits</b>	<b>Transfer Catagory</b>	<b>If non-transferable; select status</b>
ARTGO 1075, GE Arts Elective, 3cr	Unspecified	

### **Rutgers - New Brunswick, Mason Gross School of the Arts**

<b>Course Code, Title, and Credits</b>	<b>Transfer Catagory</b>	<b>If non-transferable; select status</b>
EC – Elective Credit, 3cr	Elective	

### **Stockton University**

<b>Course Code, Title, and Credits</b>	<b>Transfer Catagory</b>	<b>If non-transferable; select status</b>
ARTV 1162, Introduction to Drawing, 3cr	Arts	

If not transferable to any institution, explain:

## **10. Course Learning Outcomes**

### **Learning Outcomes**

<b>Students who successfully complete this course will be able to:</b>	
CLO1	Demonstrate a fundamental awareness of the underlying skeletal and musculature systems of the human form.
CLO2	Apply basic construction techniques traditionally associated with figure drawing.
CLO3	Recognize the value of observational drawing of a model.
CLO4	Demonstrate an awareness of the design potential of the human figure in its more abstract sense.
CLO5	Display basic understanding of the media and expressive mark making in drawing.
CLO6	Assess and evaluate their own figure drawing according to basic standards associated with figure drawing.

## 11. Topical Outline

(include as many themes/skills as needed)

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO1	Figure in Art History a. Ancient Sculpture b. Tenebrism c. Industrialism and Modernism d. Abstraction Human Anatomy	1. Lecture/presentation 2. Class discussion 3. Demonstration 4. Hands-on project	Grade drawing exercise Group critique/analysis of drawing	CLO2, CLO4
TO2	a. Portraiture b. Hands & Feet c. Proportions & Sighting Techniques Value & Volume	1. Lecture/presentation 2. Class discussion 3. Demonstration 4. Hands-on project	Grade drawing exercise Group critique/analysis of drawing	CLO1, CLO2, CLO4, CLO5
TO3	a. Charcoal b. Ink	1. Lecture/presentation 2. Class discussion 3. Demonstration 4. Hands-on project	Grade drawing exercise Group critique/analysis of drawing	CLO2, CLO3, CLO6, CLO5



	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	Figure in Society			
TO4	a. Power & Privilege	1. Lecture/presentation	Grade drawing exercise	
	b. Childhood & Adulthood	2. Class discussion	Group critique/analysis	CLO4, CLO5
	c. Body as Laborer	3. Demonstration	of drawing	
	Figure in Space	4. Hands-on project		
TO5	a. Figure/Ground with Model	1. Lecture/presentation	Grade drawing exercise	CLO2, CLO3,
		2. Class discussion	Group critique/analysis	CLO4, CLO5,
	b. Figure as Design	3. Demonstration	of drawing	CLO6
		4. Hands-on project		

## 12. Methods of Instruction

In the structuring of this course, what major methods of instruction will be utilized?

Lecture, classroom demonstrations and discussions, films, filmstrips and photographic laboratory experiences, recordings, lab facilities, individual design problems solved, explained and discussed by the class, studio experience of at least fifteen drawing projects. New media explored for its inventive and unique characteristics by all members of the class.

## 13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)

Information

Communication-Written and Oral

Quantitative Knowledge and Skills

Scientific Knowledge and Reasoning

**Technological Competency**

---

**Information Literacy**

---

**Society and Human Behavior**

---

**Humanistic Perspective**

---

**Historical Perspective**

Yes

**Related Course Learning Outcome**

CLO2, CLO4, CLO5

**Related Outline Component**

TO1, TO4

**Assessment of General Education Goal (Recommended but not limited to)**Presentation, group discussion

---

**Global and Cultural Awareness**

---

**Ethical Reasoning and Action**

---

**Independent/Critical Thinking**

Yes

**Related Course Learning Outcome**

CLO1, CLO2, CLO3, CLO4, CLO5, CLO6

**Related Outline Component**

TO1, TO2, TO3, TO4, TO5

**Assessment of General Education Goal (Recommended but not limited to)**

Presentation, group discussion

## **14. Needs**

---

### **Instructional Materials (text etc.):**

Basic Drawing materials – newsprint, paper, charcoal, graphite pencils, india ink

### **Technology Needs:**

LCD projector, screen, sound system, DVD player

### **Human Resource Needs (Presently Employed vs. New Faculty):**

### **Facility Needs:**

Sink, storage

### **Library needs:**

Art collection, film collection (currently in place).

## **15. Grade Determinants**

---

The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

A: Excellent

B+: Very Good

B: Good

C+: Above Average

C: Average

D: Below Average

F: Failure

I: Incomplete

R: Audit

For more detailed information on the Ocean County College grading system, please see Policy #5154.

## **16. Board Approval**

---

### **History of Board approval dates**

Board of Trustees Approval Date: July 28, 2008

Board of Trustees Approval Date: March 26, 2012

Board of Trustees Approval Date: March 29, 2018

**Reviewer Comments**

Select any proposals you would like to bundle together for approval. Only proposals you have saved are available to bundle.

Bundle Title:

Course:

☐ Proposal A

Program:

☐ Proposal B

## ***EXHIBIT B-8***

## **1. Course Information – ARTS 205 – Modern Art**

---

**Subject**

ARTS - Arts

**School**

Arts and Humanities

**Course Title**

Modern Art

## **2. Hours**

---

**Semester Hours**

3.00000

**Lecture**

3.00

**Lab**

0.00

**Practicum**

0.00

## **3. Catalog Description**

---

**For display in the online catalog**

This course is a survey of art from the emergence of a new direction of art in the late 19th century through its various transformations to the present period. Close attention is paid to the social, political, and historical context from which the work has materialized.

## **4. Requisites**

---

**Prerequisites**

NONE

**Corequisites**

NONE

## **5. Course Type**

---

**Course Type for Perkins Reporting**

non-vocational (not approved for Perkins funding)

## 6. Justification

---

### Describe the need for this course

This course offers an introduction to key developments in 20th- and 21st-century art, beginning with artistic movements of the late 19th-century.

## 7. General Education

---

Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?

Yes

### General Education Category

Humanities

### General Education Status

Approved

## 8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College

---

Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:

	Add item
1	Provide affordable, student-centered, high quality educational experiences that prepare and empower diverse learners to contribute to and succeed in global societies (Mission Statement).
2	Be the boldest, most creative, most innovative student-centered college in America (Vision Statement).
3	Deliver Innovative Curricula Programs and Assess Current Programs (Academic Master Plan).
4	Expand the process of infusing global perspectives across Arts and Humanities curricula in order to better prepare students as engaged and global citizens (School of Arts and Humanities Goal- Academic Master Plan).

## 9. Related Courses at Other Institutions

### Comparable Courses at NJ Community Colleges

#### Institution

Atlantic Cape CC

**Course Title**

Topics in Contemporary Art

**Course Number**

ART 125

**Number of Credits**

3

**Comments**

---

**Institution**

Mercer County CC

**Course Title**

History of Modern Art

**Course Number**

ART 123

**Number of Credits**

3

**Comments**

---



## Transferability of Course

### Georgian Court University

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
EC Elective Credit, 3 cr.	Elective	

### Kean University

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
AH3740"K1, K3, "Modern Art, 3 cr.	Elective	

### Monmouth University

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
AR001, 100 Level Art Elective, 3 cr.	Gen Ed: Aesthetics	

### Rowan University

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
ARHS03220, Modern Art, 3 cr.	Artistic/Creative Experience (Graduation Requirement)	

### Rutgers - New Brunswick, Mason Gross School of the Arts

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
EC, Elective Credit, 3 cr.	Elective	

### Stockton University

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
ARTV3611, Early Modern Art, 3 cr.	Gen Ed: Area A Arts	

If not transferable to any institution, explain:

## 10. Course Learning Outcomes

### Learning Outcomes

**Students who successfully complete this course will be able to:**

CLO1	Identify specific works and the artists that created them.
CLO2	Identify specific works in a relative time period.
CLO3	Discuss emerged and emerging techniques.
CLO4	Perceive the variety of images outside the text that relate to works under discussion.
CLO5	Discuss artists' underlying motives for creating their art works.
CLO6	Discuss how historical and political events influenced artists and their imagery.
CLO7	Acquire the vocabulary associated with any discussion of art in history.
CLO8	Describe object and image as associated with artists' personal development.
CLO9	Discuss the iconography of specific images.
CLO10	Analyze artistic techniques and modes of production in various media.
CLO11	Identify locations where images and objects may be experienced first hand.

## 11. Topical Outline

(include as many themes/skills as needed)

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	Modern Art Influences			
	a. Innovations of the Late 19th-Century			
TO1	b. Post-Impressionism c. Changing art world (artists and patrons) d. Changing notions of the artist e. Influence of Photography The 20th Century Begins	Reading Class Discussion Group Exercises	Discussion Participation Exam Presentation	CLO1-CLO11
TO2	a. Picasso and Paris b. Montmartre artists c. African Art and Modernism c. Artists of "The	Reading Class Discussion	Review Discussion questions Discussion participation Exam Research paper Presentation	CLO1-CLO11

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	Beehive” d. Black Paris Matisse and Fauvism			
TO3	a. Painting b. Sculpture c. Cut-Outs Cubism: Picasso, Braque, Gris	Reading Class Discussion	Discussion Participation Exam Research paper Presentation	CLO1-CLO11
TO4	a. Analytical Cubism b. Synthetic Cubism c. Toward full Abstraction Following Cubism	Reading Class Discussion Group Exercises	Discussion participation Exam Research paper	CLO1-CLO11
TO5	a. Chagall b. De Chirico c. Italian Futurism The Russian Avant- Garde (Art in service of revolution; a new Soviet Art)	Reading Class Discussion Group Exercise	Discussion participation Exam Research paper Presentation	CLO1-CLO11
TO6	a. Painting b. Sculpture c. Photography d. Theater and costume design e. Film f. Toward Social Realism Marcel Duchamp and Conceptual Art	Reading Class Discussion Group Exercises	Discussion participation Exam Research paper Presentation	CLO1-CLO11
TO7	a. Paintings b. Ready-mades c. New concepts in art	Reading Class Discussion Group Exercises	Discussion participation Exam Research paper Presentation	CLO1-CLO11
TO8	Klimt, Expressionism, and the New Objectivity	Reading Class Discussion Group Exercises	Discussion participation Exam	CLO1-CLO11

	<b>Major Themes/ Skills</b>	<b>Assignments (Recommended but not limited to)</b>	<b>Assessments (Recommended but not limited to)</b>	<b>Course Learning Outcome(s)</b>
TO9	Germany in the first decade of the 20th century  Dada movement Reactions to society and war in Europe  Art in Europe Between the Wars	Reading Class Discussion Art Making	Research paper Presentation  Discussion participation Exam Research paper Art project completion Presentation	CLO1-CLO11
TO10	a. WWI and its aftermath b. Political climate in Europe and the United States De Stijl	Reading Class Discussion	Discussion participation Exam Research paper Informal writing assignment Presentation	CLO1-CLO11
TO11	a. Modern Art in the Netherlands b. Mondrian c. Van Doesburg Surrealism	Reading Class Discussion Group Activities	Discussion participation Exam Research paper Presentation	CLO1-CLO11
TO12	a. Art and the Metaphysical b. Exploring the subconscious c. Surrealism in Sculpture and Photography d. Surrealism in Film Mexican Modernism	Reading Class Discussion Group Activities	Discussion participation Exam Research paper Presentation	CLO1-CLO11
TO13	a. Mexican Revolution b. Kahlo c. Rivera d. Orozco e. Siqueiros f. Photography	Reading Class Discussion Group Activities	Discussion participation Assessment of film questions Exam Research paper Presentation	CLO1-CLO11

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	American Art Before World War II			
TO14	a. Early Abstraction b. Regionalism c. Realism d. The Harlem Renaissance Photography to 1950	Reading Class Discussion Group Activities	Discussion participation Exam Research paper Presentation	CLO1-CLO11
TO15	a. Straight Photography b. Documentary Photography c. Photojournalism d. Street Photography	Reading Class Discussion Group Activities	Discussion participation Exam Research paper Presentation	CLO1-CLO11
TO16	Abstract Expressionism and Color Field Painting  Post-War European Art	Reading Class Discussion Group Activities	Discussion participation Exam Research Paper Presentation	CLO1-CLO11
TO17	a. Giacometti b. Balthus c. Dubuffet d. Morandi e. Hepworth f. Bacon The 1960s and 1970s a. Abstraction b. Hard Edge Painting	Reading Class Discussion Film Screening Group Activities	Discussion participation Exam Research paper Presentation	CLO1-CLO11
TO18	c. OpArt d. PopArt e. Minimalism f. Environmental Art g. Arte Povera	Reading Class Discussion Group Activities	Discussion participation Exam Research paper Presentation	CLO1-CLO11
TO19	Feminism and Art	Reading Class Discussion Group Activities Informal writing assignment	Discussion participation Exam Research paper In-class writing assignment Presentation	CLO1-CLO11

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	Contemporary Art – 1980s to today			
TO20	a. Multicultural voices b. Activist Art c. AIDS Crisis d. Street/Graffiti Art e. Conceptual Art f. Contemporary photography g. Memorials	Reading Class Discussion Group Activities Film Screening	Discussion participation Exam Research paper Presentation	CLO1-CLO11

## 12. Methods of Instruction

---

In the structuring of this course, what major methods of instruction will be utilized?

- o Lecture
- o Slide lecture
- o Class discussion
- o Group projects and discussion
- o Art-making assignments (in class, group work)
- o Home assignments
- o Media – Video
- o Internet assignments and supplements
- o Short response review (written)
- and Final exams
- o Written paper

## 13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)

---

*Information*

Communication-Written and Oral

---

Quantitative Knowledge and Skills

---

Scientific Knowledge and Reasoning

---

**Technological Competency**

---

**Information Literacy**

---

**Society and Human Behavior**

---

**Humanistic Perspective**

Yes

**Related Course Learning Outcome**

CLO1-CLO11

**Related Outline Component**

TO1-TO20

**Assessment of General Education Goal (Recommended but not limited to)**

Class Discussion Exam Presentation Writing Assignments

---

**Historical Perspective**

Yes

**Related Course Learning Outcome**

CLO1-CLO11

**Related Outline Component**

TO1-TO20

**Assessment of General Education Goal (Recommended but not limited to)**

Class Discussion Exam Presentation Writing Assignments

---

**Global and Cultural Awareness**

Yes

**Related Course Learning Outcome**

CLO1-CLO11

**Related Outline Component**

TO1-TO20

**Assessment of General Education Goal (Recommended but not limited to)**

Class Discussion Exam Presentation Writing Assignments

---

**Ethical Reasoning and Action**

---

**Independent/Critical Thinking**  
Yes

**Related Course Learning Outcome**  
CLO1-CLO11

**Related Outline Component**  
TO1-TO20

**Assessment of General Education Goal (Recommended but not limited to)**

Class Discussion Exam Presentation Writing Assignments

## **14. Needs**

**Instructional Materials (text etc.):**

An appropriate text and/or open educational resource will be selected by the department.

**Technology Needs:**

**Human Resource Needs (Presently Employed vs. New Faculty):**

**Facility Needs:**

**Library needs:**

## **15. Grade Determinants**

The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

**A: Excellent**

**B+: Very Good**



**B: Good**

**C+: Above Average**

**C: Average**

**D: Below Average**

**F: Failure**

**I: Incomplete**

**R: Audit**

For more detailed information on the Ocean County College grading system, please see Policy #5154.

## **16. Board Approval**

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### **History of Board approval dates**

Board of Trustees Approval Date: February 26, 1996

Board of Trustees Approval Date: July 28, 2008

Board of Trustees Approval Date: March 26, 2012

Board of Trustees Approval Date: November 3, 2014

Board of Trustees Approval Date: November 03, 2016

Board of Trustees Approval Date: January 23, 2020

### **Reviewer Comments**

**Sheridan Heidi (hsheridan) (Wed, 11 Aug 2021 20:49:43 GMT):** Rollback: Please clarify CLO #10. Also, in the course description, it says 19th century and in the Justification it says 20th-- committee might kick it back. Also, in this one and the other course, does every single topical outline theme cover all the CLOs? That is unusual. If you change them, then don't forget to change them later. Communication for GE is just for 151, 152, and 154.

Select any proposals you would like to bundle together for approval. Only proposals you have saved are available to bundle.

Bundle Title:

Course:

☐ Proposal A

Program:

☐ Proposal B

## ***EXHIBIT B-9***

## **1. Course Information – ENGT 102 – Manufacturing Processes**

---

**Subject**

ENGT - Engineering Technology

**School**

Science, Technology, Engineering, Mathematics

**Course Title**

Manufacturing Processes

## **2. Hours**

---

**Semester Hours**

3.00000

**Lecture**

2.00

**Lab**

3.00

**Practicum**

## **3. Catalog Description**

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**For display in the online catalog**

This course discusses materials and processes that are used in manufacturing. The course introduces the properties of materials for manufactured goods that include ferrous and nonferrous metals and alloys, ceramics, and composites. The casting, powder metallurgy, metal and nonmetal fabrication processes are also studied. In this course, students must apply knowledge learned in lectures in a lab setting.

## **4. Requisites**

---

**Prerequisites**

None

**Corequisites**

ENGR 191

## **5. Course Type**

---

**Course Type for Perkins Reporting**  
 vocational (approved for Perkins funding)

## **6. Justification**

---

**Describe the need for this course**

This course is a required course for the Advanced Manufacturing and Mechatronics Certificate of Completion.

## **7. General Education**

---

**Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?**

No

**If the course does not satisfy a general education requirement, which of the following does it satisfy:**

Program-specific requirement

## **8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College**

---

**Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:**

<b>Add item</b>	
1	Demonstrating the college's commitment to offer comprehensive educational programs that develop intentional learners of all ages. (Mission Statement)
2	Seeking to ensure that students will thrive in an increasingly diverse and complex world. (Vision Statement)
3	Preparing students for successful transfer to other educational institutions and/or for entrance into the workforce. (Academic Master Plan)
4	Seeking to empower students through the mastery of intellectual and practical skills. (Academic Master Plan)
5	Challenging students to transfer information into knowledge and knowledge into action. (Academic Master Plan)

## **9. Related Courses at Other Institutions**

## Comparable Courses at NJ Community Colleges

### Transferability of Course

#### Georgian Court University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

#### Kean University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

#### Monmouth University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

#### Rowan University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

#### Rutgers - New Brunswick, Mason Gross School of the Arts

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

#### Stockton University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

If not transferable to any institution, explain:

### 10. Course Learning Outcomes

#### Learning Outcomes

**Students who successfully complete this course will be able to:**

CLO1	Describe material, form, function and the manufacturing process.
CLO2	Describe and compare the physical properties of various materials.
CLO3	Identify the advantages and disadvantages of various materials.
CLO4	Discuss the advantages and disadvantages of various manufacturing processes.
CLO5	Demonstrate knowledge of machine calibration.

## **11. Topical Outline**

(include as many themes/skills as needed)

	<b>Major Themes/ Skills</b>	<b>Assignments (Recommended but not limited to)</b>	<b>Assessments (Recommended but not limited to)</b>	<b>Course Learning Outcome(s)</b>
TO1	1-Introduction to Materials and Process a. Form, function and cost b. Energy and environmental concerns c. Shop Safety Quality Control	Reading Class discussion Group project	Quiz on reading Graded oral presentation of project	1,2,3,4,5
TO2	2. Fundamentals of Materials a. Physical properties of metals, non-metals and alloys b. Manufacturing considerations c. Chemical properties.	Reading Class discussion Group project	Quiz on reading Graded oral presentation of project	1, 4
TO3	3. Forming and shaping processes a. Processes of casting, forging, and rolling b. Processes of extrusion and molding	Reading Class discussion Group project	Quiz on reading Graded oral presentation of project	1, 2
TO4	4. Machines and tools	Reading Class discussion Group project	Quiz on reading Graded oral presentation of project	5
TO5	5. Bonding and Welding	Reading Class discussion Group project	Quiz on reading Graded oral presentation of project	3

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO6	6. Techniques of surface treatment.	Reading Class discussion Group project	Quiz on reading Graded oral presentation of project	3
TO7	7. Design of the manufacturing layout.	Reading Class discussion Group project	Quiz on reading Graded oral presentation of project	4

## 12. Methods of Instruction

In the structuring of this course, what major methods of instruction will be utilized?  
Lecture/Discussion and Laboratory

## 13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)

*Information*

Communication-Written and Oral

Quantitative Knowledge and Skills

Scientific Knowledge and Reasoning  
Yes

Related Course Learning Outcome  
ALL

Related Outline Component  
ALL

Assessment of General Education Goal (Recommended but not limited to)

Exams  
Periodic Common Course Assessment

Technological Competency

Information Literacy

---

Society and Human Behavior

---

Humanistic Perspective

---

Historical Perspective

---

Global and Cultural Awareness

---

Ethical Reasoning and Action

---

Independent/Critical Thinking

## **14. Needs**

---

Instructional Materials (text etc.):

Textbook and software

Technology Needs:

Machinery for lab

Human Resource Needs (Presently Employed vs. New Faculty):

Presently Employed Faculty

Facility Needs:

Library needs:

## **15. Grade Determinants**

---



The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

A: Excellent

B+: Very Good

B: Good

C+: Above Average

C: Average

D: Below Average

F: Failure

I: Incomplete

R: Audit

For more detailed information on the Ocean County College grading system, please see Policy #5154.

## 16. Board Approval

---

### History of Board approval dates

Board of Trustees Approval Date: March 29, 2018

Board of Trustees Approval Date: August 22, 2019

### Reviewer Comments

Fallon Cynthia (cfallon) (Tue, 23 Nov 2021 20:18:28 GMT): Rollback: According to Susan, the number must remain 102 and the content must be content must be entered.

Select any proposals you would like to bundle together for approval. Only proposals you have saved are available to bundle.

Bundle Title:

Course:

☐ Proposal A

Program:

☐ Proposal B

## ***EXHIBIT B-10***

## **1. Course Information – ENGT 114 – Principles of Quality Control in Manufacturing**

---

**Subject**

ENGT - Engineering Technology

**School**

Science, Technology, Engineering, Mathematics

**Course Title**

Principles of Quality Control In Manufacturing

## **2. Hours**

---

**Semester Hours**

3.00000

**Lecture**

2.00

**Lab**

3.00

**Practicum**

## **3. Catalog Description**

---

**For display in the online catalog**

This Quality Assurance (QA) course emphasizes the process used to ensure that products and systems are meeting the planned requirements. Students will understand the systematic approach to measurement, standard comparison, and monitoring that lead to error prevention.

## **4. Requisites**

---

**Prerequisites**

None

**Corequisites**

None

## **5. Course Type**

---

Course Type for Perkins Reporting

vocational (approved for Perkins funding)

## **6. Justification**

---

**Describe the need for this course**

This is a required course for the Certificate of Completion in Advanced Manufacturing and Mechatronics.

## **7. General Education**

---

**Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?**

No

**If the course does not satisfy a general education requirement, which of the following does it satisfy:**

Program-specific requirement

## **8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College**

---

**Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:**

	<b>Add item</b>
1	Demonstrating the college's commitment to offer comprehensive educational programs that develop intentional learners of all ages. (Mission Statement)
2	Seeking to ensure that students will thrive in an increasingly diverse and complex world. (Vision Statement)
3	Preparing students for successful transfer to other educational institutions and/or for entrance into the workforce. (Academic Master Plan)
4	Seeking to empower students through the mastery of intellectual and practical skills. (Academic Master Plan)
5	Challenging students to transfer information into knowledge and knowledge into action. (Academic Master Plan)

## **9. Related Courses at Other Institutions**

Comparable Courses at NJ Community Colleges

## Transferability of Course

### Georgian Court University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Kean University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Monmouth University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Rowan University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Rutgers - New Brunswick, Mason Gross School of the Arts

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Stockton University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

If not transferable to any institution, explain:

## 10. Course Learning Outcomes

### Learning Outcomes

Students who successfully complete this course will be able to:	
CLO1	Apply precision measuring techniques.

**Students who successfully complete this course will be able to:**

CLO2	Interpret blueprints/drawings.
CLO3	Apply math skills that are essential for industry requirements.
CLO4	Operate equipment in a safe manner.
CLO5	Inspect machined parts and determine their accuracy.

**11. Topical Outline**

(include as many themes/skills as needed)

	<b>Major Themes/ Skills</b>	<b>Assignments (Recommended but not limited to)</b>	<b>Assessments (Recommended but not limited to)</b>	<b>Course Learning Outcome(s)</b>
TO1	Role of the Quality Inspector	Lecture, Reading, and Lab Reports	Exams, Quizzes , and Lab Reports Quiz on reading	1,2,3,4,5
TO2	Introduction to Quality	Lecture and Reading	Graded oral presentation of project	1, 2, 3, 4, 5
TO3	Total Quality Management (TQM)	Lecture and Reading	Exams, Quizzes	1, 2, 3, 4, 5
TO4	The Role of the Worker in quality control	Lecture and Reading	Exams, Quizzes	1, 2, 3, 4, 5
TO5	Analytical Tools of Quality	Lecture and Reading	Exams, Quizzes	1, 2, 3, 4, 5
TO6	Quality Improvement	Lecture and Reading	Exams, Quizzes	1, 2, 3, 4, 5

**12. Methods of Instruction**

In the structuring of this course, what major methods of instruction will be utilized?

Lecture/Discussion and Laboratory

**13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)***Information*

Communication-Written and Oral

Quantitative Knowledge and Skills

**Scientific Knowledge and Reasoning**

Yes

**Related Course Learning Outcome**

ALL

**Related Outline Component**

ALL

**Assessment of General Education Goal (Recommended but not limited to)**

Exams

Periodic Common Course Assessment

---

**Technological Competency**

---

**Information Literacy**

---

**Society and Human Behavior**

---

**Humanistic Perspective**

---

**Historical Perspective**

---

**Global and Cultural Awareness**

---

**Ethical Reasoning and Action**

---

**Independent/Critical Thinking**

## **14. Needs**

---

### **Instructional Materials (text etc.):**

Textbook and software

### **Technology Needs:**

Quality control equipment such as Measuring instruments.

### **Human Resource Needs (Presently Employed vs. New Faculty):**

Presently Employed Faculty

### **Facility Needs:**

Lab

Library needs:

## **15. Grade Determinants**

---

The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

A: Excellent

B+: Very Good

B: Good

C+: Above Average

C: Average

D: Below Average

F: Failure

I: Incomplete

R: Audit

For more detailed information on the Ocean County College grading system, please see Policy #5154.

## **16. Board Approval**

---

### **History of Board approval dates**

Board of Trustees Approval Date: March 29, 2018

### **Reviewer Comments**

Fallon Cynthia (cfallon) (Tue, 23 Nov 2021 20:18:58 GMT): Rollback: According to Susan, the number must remain 114



Select any proposals you would like to bundle together for approval. Only proposals you have saved are available to bundle.

Bundle Title:

Course:

☐ Proposal A

Program:

☐ Proposal B

## ***EXHIBIT B-11***

## **1. Course Information – ENGT 140 – Introduction to Computer Numeric Controlled (CNC) Machines**

---

**Subject**

ENGT - Engineering Technology

**School**

Science, Technology, Engineering, Mathematics

**Course Title**

Introduction to Computer Numeric Controlled (CNC) Machines

## **2. Hours**

---

**Semester Hours**

3.00000

**Lecture**

2.00

**Lab**

3.00

**Practicum**

## **3. Catalog Description**

---

**For display in the online catalog**

This course emphasizes the understanding and operation of Computer Numeric Control (CNC) machines. The laboratory work involves the use of computer-integrated manufacturing (CIM) which includes the use of computer numerical control (CNC) machines.

## **4. Requisites**

---

**Prerequisites**

None

**Corequisites**

None

## **5. Course Type**

---

**Course Type for Perkins Reporting**

vocational (approved for Perkins funding)

## 6. Justification

---

**Describe the need for this course**

This is a required course for the Certificate of Completion in Advanced Manufacturing and Mechatronics.

## 7. General Education

---

**Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?**

No

**If the course does not satisfy a general education requirement, which of the following does it satisfy:**

Program-specific requirement

## 8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College

---

**Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:**

Add item	
1	Demonstrating the college's commitment to offer comprehensive educational programs that develop intentional learners of all ages. (Mission Statement)
2	Seeking to ensure that students will thrive in an increasingly diverse and complex world. (Vision Statement)
3	Preparing students for successful transfer to other educational institutions and/or for entrance into the workforce. (Academic Master Plan)
4	Seeking to empower students through the mastery of intellectual and practical skills. (Academic Master Plan)
5	Challenging students to transfer information into knowledge and knowledge into action. (Academic Master Plan)

## 9. Related Courses at Other Institutions

Comparable Courses at NJ Community Colleges

**Institution**

Mercer County CC

**Course Title**

Intro to CNC Machines

**Course Number**

MET-231

**Number of Credits**

**Comments**

## Transferability of Course

### Georgian Court University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Kean University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Monmouth University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Rowan University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Rutgers - New Brunswick, Mason Gross School of the Arts

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

## Stockton University

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
		Unable to determine status

If not transferable to any institution, explain:

## 10. Course Learning Outcomes

### Learning Outcomes

Students who successfully complete this course will be able to:	
CLO1	Operate CNC milling and lathe equipment.
CLO2	Employ industry reference material for CNC machining computations.
CLO3	Apply M and G coding.
CLO4	Demonstrate practices and policies for workshop safety.

## 11. Topical Outline

(include as many themes/skills as needed)

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO1	Unit I - Introduction to CNC Milling Components 1. Safety guidelines when using CNC vertical milling equipment 2. Operational control components 3. Machine tool requirements using industry standard reference manuals 4. M and G programming codes 5. Speed and feed rate adjustments 6. CNC digital readout	Lecture and Lab	Exams, Quizzes and Practical Exams	1, 2, 3, 4

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	to determine desired coordinates. Unit II - Introduction to CNC Lathe Components 1. Safety guidelines when using CNC lathe equipment. 2. Operational control components of the CNC lathe. 3. Machine tool requirements using industry reference manuals. 4. M and G programing codes. 5. Speed and feed rate adjustments. 6. CNC digital readout to determine desired Cartesian coordinates.	Lecture and Lab	Exams, Quizzes and Practical Exams	1, 2, 3, 4
TO2				

## **12. Methods of Instruction**

**In the structuring of this course, what major methods of instruction will be utilized?**

Learning will take place via classroom instruction, lab demonstrations, and student activities, as well as through textbook reading and homework assignments. Lab activities will augment this. Use of equipment and manual skills will be developed in the lab.

## **13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)**

*Information*

**Communication-Written and Oral**

**Quantitative Knowledge and Skills**

Yes

**Related Course Learning Outcome**

2, 4

**Related Outline Component**

ALL

**Assessment of General Education Goal (Recommended but not limited to)**

Exams, Quizzes and Practical Exams

---

**Scientific Knowledge and Reasoning**

Yes

**Related Course Learning Outcome**

1, 2, 4

**Related Outline Component**

ALL

**Assessment of General Education Goal (Recommended but not limited to)**

Exams, Quizzes and Practical Exams

---

**Technological Competency**

Yes

**Related Course Learning Outcome**

1, 2, 4

**Related Outline Component**

ALL

**Assessment of General Education Goal (Recommended but not limited to)**

Exams, Quizzes and Practical Exams

---

**Information Literacy**

---

**Society and Human Behavior**

---

**Humanistic Perspective**



---

**Historical Perspective**

---

**Global and Cultural Awareness**

---

**Ethical Reasoning and Action**

---

**Independent/Critical Thinking**

---

## **14. Needs**

---

**Instructional Materials (text etc.):**

Textbook

**Technology Needs:**

CNC equipment, related tools and bits

**Human Resource Needs (Presently Employed vs. New Faculty):**

Presently Employed Faculty

**Facility Needs:**

Lab

**Library needs:**

Support from STEM librarian.

## **15. Grade Determinants**

---

The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

**A: Excellent**

**B+: Very Good**

**B: Good**

**C+: Above Average**

**C: Average**

D: Below Average

F: Failure

I: Incomplete

R: Audit

For more detailed information on the Ocean County College grading system, please see Policy #5154.

## 16. Board Approval

---

### History of Board approval dates

Board of Trustees Approval Date: March 29, 2018

### Reviewer Comments

Fallon Cynthia (cfallon) (Tue, 23 Nov 2021 20:19:24 GMT): Rollback: According to Susan, the number 140 must stay the same.

Select any proposals you would like to bundle together for approval. Only proposals you have saved are available to bundle.

Bundle Title:

Course:

☐ Proposal A

Program:

☐ Proposal B

## ***EXHIBIT B-12***

## **1. Course Information ENGT 144 – DC/AC Electric Circuits**

---

**Subject**

ENGT - Engineering Technology

**School**

Science, Technology, Engineering, Mathematics

**Course Title**

DC/AC Electric Circuits

## **2. Hours**

---

**Semester Hours**

4.00000

**Lecture**

3.00

**Lab**

3.00

**Practicum**

0

## **3. Catalog Description**

---

**For display in the online catalog**

This is an introductory course to DC and AC electrical circuit analysis. Basic parameters such as current, voltage, and resistance are defined and applied. Ohm's Law and other important laws are studied and applied to series and parallel circuits. Lab exercises will emphasize and further help students understanding of theory.

## **4. Requisites**

---

**Prerequisites**

None

**Corequisites**

Math 161 or higher

## **5. Course Type**

---

**Course Type for Perkins Reporting**

vocational (approved for Perkins funding)

## 6. Justification

---

### Describe the need for this course

This course is a required course to the Advanced Manufacturing and Mechatronics Certificate of Completion.

## 7. General Education

---

Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?

No

If the course does not satisfy a general education requirement, which of the following does it satisfy:

Program-specific requirement

## 8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College

---

Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:

	Add item
1	Demonstrating the college's commitment to offer comprehensive educational programs that develop intentional learners of all ages. (Mission Statement)
2	Seeking to ensure that students will thrive in an increasingly diverse and complex world. (Vision Statement)
3	Preparing students for successful transfer to other educational institutions and/or for entrance into the workforce. (Academic Master Plan)
4	Seeking to empower students through the mastery of intellectual and practical skills. (Academic Master Plan)
5	Challenging students to transfer information into knowledge and knowledge into action. (Academic Master Plan)

## 9. Related Courses at Other Institutions

### Comparable Courses at NJ Community Colleges

Institution

Mercer County CC

**Course Title**

DC/AC Electric Circuits

**Course Number**

EET 144

**Number of Credits**

**Comments**

## Transferability of Course

### Georgian Court University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Kean University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Monmouth University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Rowan University

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

### Rutgers - New Brunswick, Mason Gross School of the Arts

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
		Unable to determine status

## Stockton University

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status Unable to determine status
---------------------------------	-------------------	--

If not transferable to any institution, explain:

## 10. Course Learning Outcomes

### Learning Outcomes

Students who successfully complete this course will be able to:	
CLO1	Describe AC and DC sources
CLO2	Calculate voltages and currents in series and parallel circuits.
CLO3	Construct AC and DC circuits.
CLO4	Identify components such as switches, relays, fuses, circuit breakers and power supplies from circuit diagrams.
CLO5	Identify passive components such as resistors, capacitors, inductors.
CLO6	Identify the resistance, including tolerance, of resistors using color.

## 11. Topical Outline

(include as many themes/skills as needed)

Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO1	Unit 1		
	DC Circuits		
	1- Calculate the current, voltage and power in series and parallel circuits.		
	2- Understand the operation of relays and circuit protective elements such as fuses and a circuit breaker. 3- Construct various resistive networks and use test equipment to	Reading, Lab Reports and our Projects Tests, Quizzes and Lab Reports	1,2,3,4,5,6

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	make circuit measurements. Unit 2 AC Circuits 1- Calculate the reactance of both capacitive and inductive elements for a capacitor given sufficient data.			
TO2	2- Calculate the current and voltage for a series and parallel circuits that contain resistors, capacitors, and inductors.  3- Construct circuits and gather data using various test equipment.	Reading, Lab Reports and our Projects	Tests, Quizzes and Lab Reports	1,2,3,4,5,6

## 12. Methods of Instruction

---

In the structuring of this course, what major methods of instruction will be utilized?  
Lecture and Laboratory work

## 13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)

---

*Information*

Communication-Written and Oral

---

Quantitative Knowledge and Skills

---



**Scientific Knowledge and Reasoning**

---

**Technological Competency**

Yes

**Related Course Learning Outcome**

1,2,3,4,5,6

**Related Outline Component****Assessment of General Education Goal (Recommended but not limited to)**

Exams, Quizzes and Lab Reports

---

**Information Literacy**

---

**Society and Human Behavior**

---

**Humanistic Perspective**

---

**Historical Perspective**

---

**Global and Cultural Awareness**

---

**Ethical Reasoning and Action**

---

**Independent/Critical Thinking**

---

**14. Needs**

---

**Instructional Materials (text etc.):**

Text, Electrical components, Instruments and Tools

**Technology Needs:**

Software

**Human Resource Needs (Presently Employed vs. New Faculty):**

Presently Employed Faculty

**Facility Needs:****Library needs:**

## **15. Grade Determinants**

---

The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

**A: Excellent**

**B+: Very Good**

**B: Good**

**C+: Above Average**

**C: Average**

**D: Below Average**

**F: Failure**

**I: Incomplete**

**R: Audit**

For more detailed information on the Ocean County College grading system, please see Policy #5154.

## **16. Board Approval**

---

**History of Board approval dates**

Board of Trustees Approval Date: March 29, 2018

**Reviewer Comments**

**Fallon Cynthia (cfallon) (Tue, 23 Nov 2021 20:20:19 GMT):** Rollback: According to Susan, the number 144 must remain the same.

Select any proposals you would like to bundle together for approval. Only proposals you have saved are available to bundle.

Bundle Title:

Course:

☐ Proposal A

Program:

☐ Proposal B

## ***EXHIBIT B-13***

## **1. Course Information – ENGT 150 – Automated Control Systems**

---

**Subject**

ENGT - Engineering Technology

**School**

Science, Technology, Engineering, Mathematics

**Course Title**

Automated Control Systems

## **2. Hours**

---

**Semester Hours**

4.00000

**Lecture**

3.00

**Lab**

2.00

**Practicum**

## **3. Catalog Description**

---

**For display in the online catalog**

The Automated Control Systems course prepares students for a future in modern manufacturing control systems with topics related to the design, application, and maintenance of industrial process controls, robotics, and automated manufacturing systems. Emphasis is placed on developing knowledge and skills in electrical and electronic circuits, AC and DC motors, robotics, motion control, instrumentation, data acquisition, programmable logic and computer-based controllers. In addition, the course places emphasis on safety, teamwork, communication skills, and efficient work practices.

## **4. Requisites**

---

**Prerequisites**

ELET 144

**Corequisites**

None

## 5. Course Type

---

Course Type for Perkins Reporting  
vocational (approved for Perkins funding)

## 6. Justification

---

Describe the need for this course

This course is needed to integrate knowledge from other courses into a production system for the Advanced Manufacturing and Mechatronics.

## 7. General Education

---

Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?

No

If the course does not satisfy a general education requirement, which of the following does it satisfy:

Program-specific requirement

## 8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College

---

Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:

Add item	
1	Demonstrating the college's commitment to offer comprehensive educational programs that develop intentional learners of all ages. (Mission Statement)
2	Seeking to ensure that students will thrive in an increasingly diverse and complex world. (Vision Statement)
3	Preparing students for successful transfer to other educational institutions and/or for entrance into the workforce. (Academic Master Plan)
4	Seeking to empower students through the mastery of intellectual and practical skills. (Academic Master Plan)
5	Challenging students to transfer information into knowledge and knowledge into action. (Academic Master Plan)

**9. Related Courses at Other Institutions****Comparable Courses at NJ Community Colleges****Institution**

Essex County College

**Course Title**

Machines and Controls

**Course Number**

MET 211

**Number of Credits**

3

**Comments****Transferability of Course****Georgian Court University**

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
Elective, 3 cr	Elective	

**Kean University**

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
TECHX 1003	Tech Elective	

**Monmouth University**

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
FE001	Elective	

**Rowan University**

Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
INTR99076	Elective	

**Rutgers - New Brunswick, Mason Gross School of the Arts**

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
		Will not transfer

**Stockton University**

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
		Will not transfer

If not transferable to any institution, explain:

## **10. Course Learning Outcomes**

### **Learning Outcomes**

<b>Students who successfully complete this course will be able to:</b>	
CLO1	Describe elements of process control.
CLO2	Describe the operation of mechanical parameter sensors.
CLO3	Identify elements of machines, motors, generators, and transmissions.
CLO4	Apply concepts of automatic controls and programmable controllers.

## **11. Topical Outline**

(include as many themes/skills as needed)

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO1	Transducers	Lab Experiment, homework	Test, quiz	1, 2, 4
TO2	Generator Construction	Lab Experiment, homework	Test, quiz	1, 3
TO3	Generator Operation	Lab Experiment, homework	Test, quiz	1, 3
TO4	DC Motor Construction	homework	Test, quiz	1, 3
TO5	DC Motor Speed Control	Lab Experiment, homework	Test, quiz	1, 3
TO6	Single-Phase AC Motors	Lab Experiment, homework	Test, quiz	1, 3



	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO7	Operational Amplifiers	Lab Experiment, homework	Test, quiz	4
TO8	Programmable Controllers	Lab Experiment, homework	Test, quiz	4
TO9	Control Valves	Lab Experiment, homework	Test, quiz	1, 2

## 12. Methods of Instruction

In the structuring of this course, what major methods of instruction will be utilized?  
Lecture/Discussion and Laboratory

## 13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)

*Information*

Communication-Written and Oral

Quantitative Knowledge and Skills

Scientific Knowledge and Reasoning  
Yes

Related Course Learning Outcome  
ALL

Related Outline Component  
ALL

Assessment of General Education Goal (Recommended but not limited to)

Exams, Periodic Common Course Assessment

Technological Competency

**Information Literacy**


---

**Society and Human Behavior**


---



---

**Humanistic Perspective**


---



---

**Historical Perspective**


---



---

**Global and Cultural Awareness**


---



---

**Ethical Reasoning and Action**


---



---

**Independent/Critical Thinking**

Yes

**Related Course Learning Outcome**

ALL

**Related Outline Component**

ALL

**Assessment of General Education Goal (Recommended but not limited to)**

Exams, Periodic Common Course Assessment

**14. Needs****Instructional Materials (text etc.):**

Textbook

**Technology Needs:**

Lab Equipment

**Human Resource Needs (Presently Employed vs. New Faculty):**

Presently Employed Faculty

Facility Needs:

Library needs:

## 15. Grade Determinants

---

The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

A: Excellent

B+: Very Good

B: Good

C+: Above Average

C: Average

D: Below Average

F: Failure

I: Incomplete

R: Audit

For more detailed information on the Ocean County College grading system, please see Policy #5154.

## 16. Board Approval

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History of Board approval dates

Board of Trustees Approval Date: March 22, 2018

Board of Trustees Approval Date: June 28, 2018

Reviewer Comments

Fallon Cynthia (cfallon) (Tue, 23 Nov 2021 20:20:37 GMT): Rollback: According to Susan, the number 150 must remain the same.

Select any proposals you would like to bundle together for approval. Only proposals you have saved are available to bundle.

Bundle Title:

Course:

☐ Proposal A

Program:

Proposal B