

**ABET Related Forms (Fall 2020)**

COLLEGE OF ENGINEERING & COMPUTER SCIENCE  
Department of Ocean and Mechanical Engineering  
777 Glades Road, ENG 217  
Boca Raton, FL 33431  
Tel: 561.297.3463, fax: 561.297.0493  
[www.ome.fau.edu](http://www.ome.fau.edu)  
[ome@fau.edu](mailto:ome@fau.edu)

### 1. Alumni Survey on the BSOE Program Objectives

Using a scale ranging from 1 to 10, with 1 meaning poor, 7 satisfactory and 10 excellent, please assess how well the BSOE program at FAU achieves its stated program objectives. able to rank any objective, you may leave that blank. Please return the completed form to [foam@fau.edu](mailto:foam@fau.edu) Thanks.

BSOE Program Objectives	Assessment
Graduates of the ocean engineering baccalaureate program at the Florida Atlantic University, within a few years after graduation, will:	1 .....7.....10 Poor                      Satisfactory                      Excellent
1. Demonstrate an ability to carry out engineering tasks in the multi( G L V F L S O L Q D U \ I L H O G	

**2. Alumni Survey on the BSOE Program Student Outcomes**

Using a scale ranging from 1 to 10, with 1 meaning poor and 10 excellent, please assess how well the BSOE program at FAU achieves the student outcomes through its curriculum. If unable to rank any of the outcome(s), you leave that blank. Please return the completed form to [pan@fau.edu](mailto:pan@fau.edu) Thanks.

<b>BSOE Program Student Outcomes</b>	<b>Assessment</b>
The student outcomes of the BSOE program at FAU are the following:	1.....7.....10 Poor                      Satisfactory      Excellent
(1) an ability to identify, formulate, and solve complex	

**Update of Alumni Information**

(Please return the completed forms to Dr. P. Edgar An at [email\\_pan@fau.edu](mailto:email_pan@fau.edu))

**Name** \_\_\_\_\_

**Year of Graduation with BSOE at FAU** \_\_\_\_\_

**Information on Subsequent Graduate Study and Degree (if applicable)**

Name of the Degree Program and University: \_\_\_\_\_

Year of Graduation and Degree: \_\_\_\_\_

**Work Experiences**

Name of the Company/Firm	Job Title and Job Description	Years of Employment From - To

**Awards, Distinctions and Special Mentions Received After Graduating from FAU with BSOE:**

**Present Mailing and Email Address for Contact:** \_\_\_\_\_

**Present Affiliation and Address:** \_\_\_\_\_

**Any Additional Information or Comments on the BSOE Program at FAU:**

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## EMPLOYER SURVEY ON BSOE PROGRAM OBJECTIVES AND OUTCOMES

Dear Sir/Madam:

Our undergraduate Ocean Engineering program in the Department of Ocean & Mechanical Engineering at Florida Atlantic University is undergoing a periodic review to determine how well we are meeting our established program objectives and achieving expected student outcomes. As part of this evaluation, we are once again seeking input from industry, alumni and others associated with the program and we would be grateful if you could assist us in this process. As an employee (or a supervisor) of our OE graduates, your assessment of the program based on your knowledge of our graduates and their performance in your company is highly valued and is used for continuous improvement of the program. Please complete the attached employer surveys on program objectives and outcomes at your earliest convenience and return them to

Dr. Edgar An  
Boca Raton Campus  
Department of Ocean & Mechanical Engineering  
Florida Atlantic University  
777 Glades Road, Boca Raton, FL 33431

or email them to [pan@fau.edu](mailto:pan@fau.edu). Please contact Dr. An, who chairs our undergraduate program assessment and improvement committee, by email at [pan@fau.edu](mailto:pan@fau.edu) if you have questions or need clarifications on the survey and/or on the program objectives and outcomes. Details of our program can be found at <http://www.ome.fau.edu/oceanengineering/undergraduate>

If you find that our graduates are spread throughout various divisions of your firm, necessitating the assessment by individual division heads or supervisors, please have the division heads/ supervisors complete the survey form and return them to us at the above address.

We thank you for your valuable time and input and send our best regards to you and your colleagues.

Yours truly,

Edgar An, Professor  
Associate Chair, Ocean & Mechanical Engineering  
[pan@fau.edu](mailto:pan@fau.edu)

Encls: Department Mission/Goal Objectives/Outcome Statements; Course List; Survey

Department of Ocean & Mechanical Engineering  
Florida Atlantic University  
Bachelor of Science in Ocean Engineering (BSOE) List of Courses

Letters, Arts, Humanities, Social Sciences

(24 credits)

English I & II, Appreciation of Music, Theater etc, Economics, History,  
Geography, Introduction to Philosophy, History of Civilization, etc.

Mathematics:

(15 credits)

Calculus I, II, III  
Engineering Mathematics 1

Sciences:

(15 credits)

Physics I, II with Lab  
6



## 1. Employer Survey on the BSOE Program Objectives

The following objective statements for the Ocean Engineering Undergraduate Program were

## 2. Employer Survey on the BSOE Program Student Outcomes

Based on the performance of the graduates of FAU's Ocean Engineering undergraduate Program employed in your company, please provide us with your assessment of how well we are achieving our intended undergraduate program outcomes as listed in the following table. Please use a scale ranging from 1 to 10, with 1 meaning poor, 7 satisfactory and 10 excellent. If unable to evaluate any of the outcome(s), you may leave that blank. Thank you.

We greatly value your assessment which will be used to continually monitor and improve the quality of our program. Thank you!

### BSOE Program Student Outcomes

The student

DEPARTMENT OF OCEAN & MECHANICAL ENGINEERING  
FLORIDA ATLANTIC UNIVERSITY  
PEER EVALUATION OF BSOE COURSE PORTFOLIO

Semester:  
Course Number and Title:  
Instructor's Name:  
Evaluator's Name:

EVALUATION FORM

1. Course material covered:

Satisfactory       Good       Excellent

Suggestions for addition/removal/change to course topics covered: .....

.....

.....

2. Overall achievement of the course objective:

Satisfactory       Good       Excellent

Any suggestions for improving the achievement of stated objective: .....

.....

.....

3. Learning outcomes of the course:

Satisfactory       Good       Excellent

Suggestions for addition/removal/change to stated learning outcomes: .....

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4. Adequacy of Home Work Assignments:

Satisfactory       Good       Excellent

Any suggestions for improvement to the nature of home works assigned: .....

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.....

5. Adequacy of Tests and Examination:

Satisfactory       Good       Excellent

Any suggestions for improvement of tests and examination questions: .....

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6.

.....  
.....  
7. Adequacy of Term Projects:

( ) N/A

( ) Satcj EMC

(P Satj

EMC

(P Satj

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Department of Ocean & Mechanical Engineering  
Student Survey of Course Outcomes

Course Number and Title: EOC 4804 Ocean Engineering Systems Control & Design

Semester Taught: \_\_\_\_\_

Instructor: \_\_\_\_\_

Please use this form to rate your personal feelings of achievement of the published outcomes for the course as listed below. Use the following 0 to 5

EOC 4804 OE Systems Control and Design

Semester / Year: \_\_\_\_\_  
 Direct Course Assessment on Course Outcomes

Outcome	Assignment	Course Assignment Assessment Ave (10pt max)
1		
2		
3		
4		
5		
6		

Course Outcomes: (letters in parentheses indicate correlation of the outcome with the appropriate program outcomes 1-7)

1. An ability to design a system that satisfies an ocean engineering related need (c/2)
2. An ability to function in multidisciplinary design teams (d/5)
3. An ability to communicate effectively during the progress review meetings and Final Design Review (g/3)
4. An understanding the potential economic, environmental, and societal impacts of ocean engineering designs (h/4)
5. A recognition of the need for self study and lifelong learning in engineering design (i/7)
6. An understanding of how contemporary issues affect engineering design (j/4)

: If any of the outcomes above is less than 7 out of 10, please provide comments as to how improvements can be made and implemented in the future

Additional Comments

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(To be completed by Industry and Navy/ONR attendees/representatives and ME/College faculty attending the presentation)

EVALUATION OF EOC 4804 OCEAN ENGINEERING SYSTEMS CONTROL & DESIGN

Instructor: \_\_\_\_\_ Year: \_\_\_\_\_

Project Title: \_\_\_\_\_

Evaluator's Name and Affiliation (Please Print) \_\_\_\_\_

Dear Evaluator: Based on the design accomplishments, team effort and project p



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Graduating Seniors Assessment of BSOE Program Objectives

Using a scale ranging from 1 to 10, with 1 meaning poor and 10 excellent, please assess how well the BSOE program at FAU achieves its stated program objectives listed in the table below. If unable to evaluate any of the objectives, you may leave that blank. Please return the completed form to Dr. An. Thanks.

BSOE Program Objectives	Assessment Scale 1 .....7.....10 Poor Satisfactory Excellent
Graduates of the ocean engineering baccalaureate program at the Florida Atlantic University <u>within a few years after graduation</u> , will:	
1. Demonstrate an ability to carry out engineering tasks in the multi-disciplinary field of ocean engineering.	
2. Make meaningful contributions in terms of design, development and integration of engineering systems, particularly for applications in the ocean environment.	
3. Pursue graduate study and / or participate in professional societies.	
4. Develop and exhibit leadership <u>qualities</u> in their engineering work.	
5. Understand various complexities and issues of the contemporary society and make professional contributions in the larger and long-term interest of the society.	

Other comments/suggestions (if any) on the program objectives (use additional pages if needed)

Name: .....

Non-FAU email where you can be reached in the future.....

## Graduating Seniors Assessment of BSOE Student Outcomes

Using a scale ranging from 1 to 10, with 1 meaning poor, 7 satisfactory and 10 excellent, please assess how well the BSOE program at FAU achieves the learning outcomes through its curriculum. unable to evaluate any of the outcome(s)