Request for Graduate Course Addition

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: CITE   Dept/Division: Computer Science   Alpha Designator/Number: CYBR/698   ○ Graded ● CR/NC

Contact Person: Dr. Wook-Sung Yoo   Phone: x5452

NEW COURSE DATA:

New Course Title: Internship

Alpha Designator/Number: | C | Y | B | R | / | 6 | 9 | 8 | |

Title Abbreviation: | I | n | t | e | r | n | s | h | i | p | | | | | | | | | | | | | | | |
(Limit of 25 characters and spaces)

Course Catalog Description: Supervised work experience in Cybersecurity.
(Limit of 30 words)

Co-requisite(s): None   First Term to be Offered: Spring 2019

Prerequisite(s): Permission by Chair   Credit Hours: 1 - 6

Course(s) being deleted in place of this addition (*must submit course deletion form*):   N/A

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head _____ *Yoo, woos* _____   Date 9/17/18

Registrar _____ *aal J Hulhod* _____ 10101   Date 9/21/18

College Curriculum Chair _____ *Tiala* _____   Date 9/20/18

Graduate Council Chair _____   Date _____

Form updated 10/2011

College: CITE   Department/Division: Computer Science   Alpha Designator/Number: CYBR/698

Provide complete information regarding the new course addition for each topic listed below. Before routing this form, a complete syllabus also must be attached addressing the items listed on the first page of this form.

1. FACULTY: Identify by name the faculty in your department/division who may teach this course.

Wook-Sung Yoo, Ph.D.

2. DUPLICATION: If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the proposal. Enter "*Not Applicable*" if not applicable.

Not Applicable

3. REQUIRED COURSE: If this course will be required by another deparment(s), identify it/them by name. Enter "*Not Applicable*" if not applicable.

Not Applicable

4. AGREEMENTS: If there are any agreements required to provide clinical experiences, attach the details and the signed agreement. Enter "*Not Applicable*" if not applicable.

Not Applicable

5. ADDITIONAL RESOURCE REQUIREMENTS: If your department requires additional faculty, equipment, or specialized materials to teach this course, attach an estimate of the time and money required to secure these items. (Note: Approval of this form does not imply approval for additional resources.) Enter "*Not Applicable*" if not applicable.

Not Applicable

6. COURSE OBJECTIVES: (May be submitted as a separate document)

Please see attached document

7. COURSE OUTLINE   (May be submitted as a separate document)

Please see attached document

8. SAMPLE TEXT(S) WITH AUTHOR(S) AND PUBLICATION DATES (May be submitted as a separate document)

Please see attached document

9. EXAMPLE OF INSTRUCTIONAL METHODS (Lecture, lab, internship)

Please see attached document

10. EXAMPLE EVALUATION METHODS (CHAPTER, MIDTERM, FINAL, PROJECTS, ETC.)

Exam, Homework Assignments and Projects

11. ADDITIONAL GRADUATE REQUIREMENTS IF LISTED AS AN UNDERGRADUATE/GRADUATE COURSE

Not applicable

12. PROVIDE COMPLETE BIBLIOGRAPHY   (May be submitted as a separate document)

Please see attached document

Please insert in the text box below your course summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:
Course Number and Title:
Catalog Description:
Prerequisites:
First Term Offered:
Credit Hours:

Department: Computer Science
Course Number and Title: CYBR/698 Internship
Catalog Description: Supervised work experience in Cybersecurity.
Prerequisites: Permission by Chair
First Term Offered: Spring 2019
Credit Hours: 1 - 6

BIBLIOGRAPHY

- "The Mythical Man-Month: Essays on Software Engineering," Anniversary Edition (2nd Edition), by Fred Brooks, Addison-Wesley Professional; ISBN-10: 0201835959

CYBR 698 Internship

Course Title/Number	Internship /CYBR 698
Semester/Year	Spring/2019
Days/Time	TBD
Location	TBD
Instructor	Wook-Sung Yoo
Office	WAEC 3010A
Phone	X5452
E-Mail	yoow@marshall.edu
Office Hours	TBD
University Policies	By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to www.marshall.edu/academic-affairs and clicking on "Marshall University Policies." Or, you can access the policies directly by going to www.marshall.edu/academic-affairs/policies/. Academic Dishonesty/Excused Absence Policy for Undergraduates/Computing Services Acceptable Use/Inclement Weather/Dead Week/Students with Disabilities/Academic Forgiveness/Academic Probation and Suspension/Academic Rights and Responsibilities of Students/Affirmative Action/Sexual Harassment

Course Description

Supervised work experience in Cybersecurity (PR: Chair's permission).

Course Student Learning Outcomes

Course Student Learning Outcomes	How students will practice each outcome in this Course	How student achievement of each outcome will be assessed in this Course
Students will be able to apply knowledge and skills learned in the classroom in a work setting.	Project assigned	Project Evaluation
Students will be able to demonstrate effective verbal and written communication skills	Weekly and final reports and presentation	Graded homework Graded research report
Students will be able to understand the industrial or organizational practices, culture, and ethical standards	Final Report	Presentation evaluation Graded report paper

Required Texts, Additional Reading, and Other Materials

Required Text
- "The Mythical Man-Month: Essays on Software Engineering," Anniversary Edition (2nd Edition), by Fred Brooks, Addison-Wesley Professional; ISBN-10: 0201835959

Course Requirements / Due Dates

Report

Three types of reports below are required:

1. *Objective worksheet (due: 2nd week)*
   The student should complete specific objectives during the term and submit the work objectives within the first two weeks. The objectives will be used to evaluate student's progress.
2. *Monthly progress reports (Every 4 weeks)*
   Weekly progress reports following the format provided by the instructor should be submitted to instructor each week which include the week's accomplishment/progress on objectives agreed on, meeting summary, issues, and plan for next week.
3. *Final report (Last week of the semester)*
   Final report following the format provided by the instructor should be submitted by the end of the semester. The final report should be a reflective examination of the work experience to (1) evaluate your objectives, (2) describe the most difficult challenge that you faced, and (3) write final reflective thoughts.

The company should provide its evaluation of the student's performance to instructor by the end of the term. The course is not required course and the credit hours is not counted for graduation.

Grading Policy

Course grades are based on the total points earned for all activities and the grading scale shown below:

Activity	Points
Objective worksheet	20
Weekly Report	30
Presentation and Final Report	50
Total	100

Scale	
Score 70- 100	P
Below 70	F

Course Schedule

This is the list of topics. This could be adjusted as the semester progresses at the discretion of the instructor. Lecture slides will be posted to MUOnline.

Week	Schedule
1	Introduction
2	Objective worksheet
3	Project work
4	Weekly Report
5	Project work
6	Project work
7	Project work
8	Weekly Report
9	Project work
10	Project work
11	Project work
12	Weekly Report
13	Project work
13	Weekly Report
15	Final report and presentation