

## 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: \_\_\_\_\_ Dept/Division: \_\_\_\_\_ Alpha Designator/Number: \_\_\_\_\_  Graded  CR/NC

Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

### NEW COURSE DATA:

New Course Title: \_\_\_\_\_

Alpha Designator/Number: \_\_\_\_\_

Title Abbreviation: \_\_\_\_\_

(Limit of 25 characters and spaces)

Course Catalog Description:  
(Limit of 30 words)

Co-requisite(s): \_\_\_\_\_ First Term to be Offered: \_\_\_\_\_

Prerequisite(s): \_\_\_\_\_ Credit Hours: \_\_\_\_\_

Course(s) being deleted in place of this addition (*must submit course deletion form*): \_\_\_\_\_

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

Dept. Chair/Division Head _____	Date _____
Registrar _____	Date _____
College Curriculum Chair _____	Date _____
Graduate Council Chair _____	Date _____

## Request for Graduate Course Addition - Page 2

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College: \_\_\_\_\_ Department/Division: \_\_\_\_\_ Alpha Designator/Number: \_\_\_\_\_

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.

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1. FACULTY: Identify by name the faculty in your department/division who may teach this course.
  
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.
  
3. REQUIRED COURSE: If this course will be required by another department(s), identify it/them by name. Enter "**Not Applicable**" if 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.
  
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:
  
6. COURSE OBJECTIVES: (May be submitted as a separate document)

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

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

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

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

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

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

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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:

# CS600

Course Title/Number	Advanced Web Technology/CS600
Semester/Year	
Days/Time	TBD
Location	TBD
Instructor	Wook-Sung Yoo
Office	WAEC 3101A
M. ail	yoow @marshall.edu
Office Hours	By appointment

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](http://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/](http://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

This course covers advanced web technologies to design, develop, and manage scalable, reliable and secure web applications using client side and server side programming, mobile technology, web and cloud services.

## Course Student Learning Outcomes

Upon successful completion of the course, students will be able to

- OC1: design user friendly websites with different technology and services (c, d, g)
- OC2: implement client based application using CSS and HTML and demonstrate good designs practices (b, c, d, g)
- OC3: implement various interactive elements using server side scripting with database (d, g, k)

Course Student Learning Outcomes	How Practiced in this Course	How Assessed in this Course
OC1	Lectures & Labs	Exam, Homework & Group Project
OC2	Lectures & Labs	Exam, Homework & Group Project
OC3	Lectures & Labs	Exam & Group Project

## Required Texts, Additional Reading, and Other Materials

- Miller, Joseph B. (2014) Internet Technologies and Information Services (2nd edition). Westport, CT: Libraries Unlimited, ISBN 978-1-61069-473-5.
- Murach's PHP and MySQL, 2nd Edition 2nd Edition by Joel Murach (Author), Ray Harris (Author), ISBN 978-1890774790

## Course Schedule

Week	Dates	Topics	Assignments
1	TBD	Introduction to Web Technology	Lab 1
2		HTML/CSS & Graphic Elements	Lab 2, HW1
3		Web Design & Page Layout	Lab 3, HW2
4		Intro to PHP and Web Development	
5		Programming in PHP	Lab 4
6		Intro to MySQL	Lab 5, HW3
7		Exam 1	
8		Using PHP and MySQL	Lab 6
9		Using PHP to build Web forms	Lab 7
10		SQL and MySQL	HW4
11		PHP Functions	Lab 8
12		Spring Break	HW5
13		PHP Objects and MVC	Lab 9
14		Project rendering and deployment	
15		Web service	Lab 10
16		Dead Week	
		Final Exam	

Note: Schedule can be changed based on discussion between instructor and students

<b>Grading Policy</b>	
Activity	Points
In Class Labs/Homework	20
Midterm	20
Final	30
Projects	30
Total	100

<b>Scale</b>	
Score	Grade
90 & Above	A
80 - 89	B
70 - 79	C
60 - 69	D
59 & Below	F

## **Attendance Policy, Participation, and Decorum**

Students are expected to attend and participate in every class. After three unexcused absences, your grade will be decreased by one letter grade. Students who are absent more than 7 classes will get "F". Coming late to class or leaving the class early without permission is considered absent. Students are also expected to maintain a certain level of decorum that includes turning off (or silencing) cell phones, arriving to class on time, not sleeping during class, and keeping side conversations to a minimum.

## **Lab Assignments**

Lab assignment is an important part of your study and grade. There will be lab assignments that accounts for 50 points in your final grade. You are expected to review and practice the sections of the textbook before the class following the class schedule. Each lab assignment description will be displayed before the start of the one-hour lab session and students should complete the lab assignment before the end of the class and upload them to MUOnline. It is student's job to learn how to use MUOnline and only the assignment properly uploaded to MUOnline will be graded. No late submission is allowed (no email submission will be taken) and no make-up even though you have medical excuse.

## **Homework**

There will be a series of homework to help you understand the concepts presented in the text and the lecture slides.

## **Exams**

There will be two exams. Closed or Open book in-class test.

## **Exam Attendance Policy**

Students are required to take exams at the scheduled class period. Students may take an exam at a different time under one of the following conditions:

- They present a University Excused Absence
- They present a valid medical excuse
- Other extraordinary circumstance as determined by the instructor

## **Academic Conduct**

You are allowed and encouraged to work with other students on the completion of these assignments, subject to the following constraints:

- copying someone else's work and submitting it as your own is plagiarism and will not be tolerated
- you may work with others to develop a solution to a problem but the material you submit must be your own work and you must acknowledge your collaborators
- unless designated as a team exercise, you may not sub-divide the tasks of an assignment; each student is expected to complete the whole assignment

It is your responsibility to satisfy the spirit of this conduct. If you have any questions, please ask the instructor for clarification. Depending on the severity of the offense, the instructor may:

- Take no action
- Penalize the student on the assignment in question
- Assign the student a failing grade in the course