Southeast Tech · · Computer Information Systems

Web Services

CIS-266 1 F

Spring Term 2022-2023 School Year   Section 1 F   3.00 Credits   01/09/2023 to 05/05/2023   Modified 12/22/2022

🖥 Course Description

This course addresses the demand for computer programmers who are familiar with how to program Web Services and the related technologies. Web Services may utilize technologies including JavaScript Object Notation (JSON), Extensible Markup Language (XML), Simple Object Access Protocol (SOAP), Web Services Description Language (WSDL), and Universal Description Discovery and Integration (UDDI). The course covers Web Services from a business and a technical perspective, explains how Web Services can be used to address various business problems and demonstrates how to integrate Web Services into applications. Students will also be required to post an updated Electronic Portfolio to a remotely accessible Internet site that includes the student's resume, CIS Programming syllabi and samples of their computer programming work in HTML, CSS, JavaScript, PHP, MySQL, C#, Java and web services. Prerequisite: CIS 241, CIS 249

📖 Course Materials

Murach's Beginning Java with Eclipse

Author: Murach, Joel, and Michael C. Urban
Publisher: Mike Murach & Associates, Inc, 2015.
ISBN: 978-1-890774-89-9
Availability: Both physical text and eBook on the bookstore website: https://bookstore.southeasttech.com/

Murach's PHP and MySQL

Author: Murach, Joel, and Ray Harris
Publisher: Mike Murach & Associates, Inc., 2017.
Edition: 3rd
ISBN: 978-1-943872-38-1
Availability: Both physical text and eBook on the bookstore website: https://bookstore.southeasttech.com/

Prerequisites

CIS241, CIS249

✔ Evaluation Procedures and Grading

Criteria

Type	Weight	Topic	Notes
Electronic Portfolio	10%		
Exams	50%		
Homework	10%		

Type	Weight	Topic	Notes
Lab Report	20%		
Participation	5%		
Quizzes	5%		

Breakdown

Grade	Range	Notes
A	90-100	
B	80-89.99	
C	70-79.99	
D	60-69.99	
F	0-59.99	

📅 Course Outline

When	Topic	Notes
Unit 1	Overview of Web Services	
Unit 2	DB Based RESTful AJAJ-PHP Web Services	
Unit 3	SOAP Web Services using Java Classes & DB Emulator	
Unit 4	Web Service Projects & Electronic Portfolios	