

MET CS 751 -- Web Services

Instructor

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Course Description

Architecture of Web Services; SOAP and REST-based Web Services; .NET Web Services and Java Web Services (JEE application server and Java servlet container based); How to implement Service Oriented Architectures; Concentration on WCF for .NET, and on Tomcat, Axis, Spring, and JBOSS for Java; Statically and dynamically bound Web Services; Application integration between the .NET and the Java world. Course grading will consist of a series of programming homework exercises, a mid-term exam, and a final project. Students will program Web services in C# and Java, but only need to be proficient in one of these languages.

Course Grading Policy

The course grade will be based on active class participation (10%), assignments (30%), mid-term exam (30%), and final project (30%). Assignments and projects are expected to be submitted by their respective due dates. Late submission grades will be scaled with respect to the minimum grade of those submitted on time.

Course Web Site

All course materials will be posted using BU's Blackboard site. This requires all students to have an account with the BU computer system.

References

- Web Services, Concepts, Architectures, and Applications, Gustavo Alonso, Fabio Casati, Harumi Kuno, Vijay Machiraju, Springer Verlag

Student Conduct Code

[Please review the academic conduct code](#)

Tentative Course Schedule

Module 1	Introduction: SOA
Module 2	WS-* and WCF
Module 3	WCF hands-on Labs
Module 4	Tomcat and Axis
Module 5	Tomcat/Axis hands-on Labs
Mid Term	
Module 6	Apache Axis2
Module 7	REST, Spring and EJB
Module 8	REST, Spring, and EJB Part II
Module 9	JBOSS
Module 10	Java and .NET interoperability
Module 11	Gaming with Web Services
Final Project	