UTD	**Course**	**CS/SE6356 & SYSM6308.501** **Software Maintenance, Evolution, & Re-engineering**
	Professor	Dr. Andrian Marcus
	Term	Fall 2016
	Meetings	Tuesday & Thursday 4:00pm-5:15pm Class Room Location: JSOM 1.217

Professor's Contact Information

Office Phone	972-883-4246
Office Location	ECSS 4.406
Email Address	amarcus@utdallas.edu
Office Hours	Tuesday and Thursday 2:30-3:30pm in ECSS 4.406 By appointment (e-mail first)

General Course Information

Pre-requisites	CE/CS/SE 5354 (Software Engineering) or consent of instructor (you should have a previous software engineering course taken or experience)
Course Description	**Software Maintenance, Evolution & Re-engineering** Principles and techniques of software maintenance and evolution. Topics covered: software change management, software quality, mining software repositories, software refactoring, bug localization, software redocumentation, etc.
Learning Outcomes	• Understanding of current issues in software maintenance, evolution, & reengineering • Ability to perform software refactoring and maintenance tasks
Reference Texts (not required)	*Software Evolution and Maintenance – A Practitioner's Approach* By Pruyadarshi Tripathy and Kshirasagar Naik (ISBN 978-0-470-60341-3) *Effective Software Maintenance and Evolution: A Reuse-Based Approach* by Stanislaw Jarzabek (ISBN 0-8493-3592-2) *Software Evolution* by Tom Mens & Serge Demeyer (ISBN 978-3-642-09529-0) *Refactoring: Improving the Design of Existing Code* by Martin Fowler, Kent Beck, John Brant, William Opdyke, Don Roberts (ISBN: 978-0201485677) *Making Software - What Really Works, and Why We Believe It* by Andy Oram, Greg Wilson (Print ISBN:978-0-596-80832-7; Ebook ISBN:978-0-596-80829-7) Additional online reading will be made available on eLearning.

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Assignments & Academic Calendar

September 13*	Assignment #1 assigned
October 4*	Assignment #1 due
October 6*	Assignment #2 assigned
October 20*	Assignment #2 due
October 25*	Assignment #3 assigned
November 10*	Assignment #3 due, Project assigned
November 22, 24	No class … Fall break
November 29*	Project phase #1 due
December 6*	Final project due

* Subject to changes

A detailed class schedule will be made available on eLearning.

Course Policies

Grading Criteria	Assignments – 45% Project – 25% Class presentations – 20% Class participation – 10%	A=95-100 A-=90-94 B+=86-89 B=82-85 B-=79-81 C+=76-78 C=73-75 C-=70-72 F=below 70
Make-up Exams	Not allowed	
Late Work	15% reduction in grade per day for any late submissions; no late submissions accepted two weeks after original due date	
Class Attendance	**New CS Department attendance policy starting Fall 2016!!!** If a student missed three classes in a row, then the final grade will be reduced by an entire letter grade. Missing four classes in a row results in automatic failure in the class. Exceptions are allowed for documented medical problems and emergencies.	
Classroom Citizenship	Respect for your classmates is necessary at all times.	
All other policies	Please visit http://go.utdallas.edu/syllabus-policies for other policies	