

FY 2019 / ASSESSMENT OF LEARNING PLAN

Master of Science in Software Engineering

This view always presents the most current state of the plan item.

Plan Item was last modified on 1/20/21, 5:25 PM

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Template:

Assessment Plan

Title:

Master of Science in Software Engineering

Start:

9/1/2018

End:

8/31/2019

Learning Outcomes:

Upon earning an MSSwE degree, students will meet the learning outcomes stated in Table 1.

Table 1: Learning Outcomes

Number	Learning Outcome
1	Manage the development of software systems including staffing, planning, project tracking, and risk management.
2	Specify system requirements needed to build systems that exhibit correct behaviors as specified by the different constituents, as well as trace and validate system requirements throughout the development cycle.
3	Develop and document well-defined solutions that satisfy constituents' needs using high-level architecture models and detailed level design entities, and to justify decisions made during architecture and design.
4	Ensure quality of both the process used for development and the product under development using metrics, testing, and various other quality assurance techniques.
5	Function within a development team, including leading development efforts.
6	Communicate effectively with customers and among team members.

Progress:

Completed

Providing Department:

Software Engineering (MS)

Responsible Roles:**Methods of Assessment:**

Exam Score, Interview/Focus Group, Checklist, Practicum/Internship evaluation, Assignment Grade

Timeline for Assessment:

Which outcomes are assessed during which years?

The assessment of outcomes will be based on courses mapped the outcomes as follows:

Course Number/Name	Outcome	Assessment Schedule
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	1	2	3	4	5	6	
CS 5374 Software Construction			X	X			
CS 5385 Software Requirements Engineering		X				X	Fall Odd Years
CS 5388 Software Project Management	X					X	Fall Even Years
CS 5386 Software Architecture and Design			X		X		Spring
CS 5387 Software Integration and V&V				X	X	X	Even Years
CS 5386 Software Engineering Practicum	X	X	X	X	X	X	Spring Odd Years

Course Number/Name	Outcome						Assessment Schedule	Year 2018-2019	
	1	2	3	4	5	6		Fall 2018	Spring 2019
CS 5374 Software Construction			X	X			Fall Odd Years		
CS 5385 Software Requirements Engineering		X				X			
CS 5388 Software Project Management	X					X	Fall Even Years		
CS 5386 Software Architecture and Design			X		X		Spring Even Years		
CS 5387 Software Integration and V&V				X	X	X			
CS 5386 Software Engineering Practicum	X	X	X	X	X	X	Spring Odd Years		

The MSSwE Program Director will hold an end of academic year meeting with faculty teaching core courses in the program at the end of the month of May. The purpose of the meeting is to finalize the reports for courses scheduled for assessment during that academic year.

Faculty teaching the respective courses will be responsible for completing the Learning Outcome reports for outcomes mapped to their courses. Program Director, Dr. Oscar A Mondragon will be responsible for uploading the results to the system.

Linked Documents

There are no attachments.

Attached Files

There are no attachments.

Curriculum Map:

Course Number/Name	Learning Outcome					
	1	2	3	4	5	6
CS 5374 Software Construction			X	X		
CS 5385 Software Requirements Engineering		X				X
CS 5388 Software Project Management	X					X
CS 5386 Software Architecture and Design			X		X	
CS 5387 Software Integration and V&V				X	X	X
CS 5386 Software Engineering Practicum	X	X	X	X	X	X

Linked Documents

There are no attachments.

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There are no attachments.

Related Items

No connections made