

**Operations Research Certificate  
2018-2019 Student Learning Outcomes**

<b>Outcome</b>		<b>Assessment Methods</b>
1	<i>Students will be able to demonstrate knowledge of the main theoretical results and key methods used in operations research and in the development of models for management and industry.</i>	<i>Final exams evaluated with rubric</i>
2	<i>Students will be able to recognize and choose the appropriate deterministic and probabilistic models used in management and industry operations.</i>	<i>Final exams evaluated with rubric</i>
3	<i>Students will be able to construct deterministic and probabilistic models for concrete situations arising in management and industry using appropriate computational software, and use these models to make inferences and predictions.</i>	<i>Modeling project evaluated with rubric</i>
4	<i>Students will be able to describe deterministic and probabilistic models and present the results of model application using correct terminology in a clear, coherent, and effective manner.</i>	<i>Exit survey</i> <i>Modeling project evaluated with rubric</i> <i>Exit survey</i>