Course Objectives:
GENERAL OBJECTIVE: Develop a thorough understanding of Lean Six Sigma Operations. By the end of this course, students will be candidates for the Six Sigma Green Belt Certification.

LEARNING OBJECTIVES: After completing this course, students will be able to use the Lean Six Sigma DMAIC method to evaluate and analyze business processes. Specific learning objectives include:
- Understanding Six Sigma vs. Lean
- Team Dynamics
- Development of Project Notebooks
- Voice of the Customer (VOC)/KANO Models
- Value Stream Mapping
- Measurement System Analysis
- Pareto Analysis
- Descriptive Statistics
- Process Capability
- Regression Analysis
- 5S, 7 Wastes, SMED

Schedule of Topics and Activities

<table>
<thead>
<tr>
<th>DAY</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Day 1</strong></td>
<td>Intro to Lean Six Sigma</td>
</tr>
<tr>
<td><strong>Day 1.1</strong></td>
<td>(TAKE HOME) – 01/14</td>
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<tr>
<td><strong>Day 1.2</strong></td>
<td>(TAKE HOME) – 01/15</td>
</tr>
<tr>
<td><strong>Day 2</strong></td>
<td>Measure II:</td>
</tr>
<tr>
<td><strong>Day 3</strong></td>
<td>Exam 1</td>
</tr>
<tr>
<td><strong>Day 4</strong></td>
<td>Control:</td>
</tr>
<tr>
<td><strong>Day 5</strong></td>
<td>Exam 2</td>
</tr>
</tbody>
</table>

**Day 1**
Friday, Jan. 13
ALC – Library 166
8am – 5pm
Intro to Lean Six Sigma
Define:
KANO Model
VOC Model
Measure I:
Flow Charting / VSM
Current state flow chart exercise
KPI overview and Development

**Day 2**
Tuesday, Jan. 16
ALC – Library 166
8am – 5pm
Measure II:
Finish current state flow chart
Pareto Analysis, Descriptive statistics, Process Capability, control charts

**Day 3**
Wednesday, Jan. 17
ALC – Library 166
8am – 5pm
Exam 1
Analyze: Correlation, ANOVA, Regression
Improve: 7 (8)Wastes, 5S, PDS(C)A

**Day 4**
Thursday, Jan. 17
ALC – Library 166
8am – 5pm
Control:
Follow-up and Monitoring
Change Management
Organizational Culture
Differences between Lean & SS

**Day 5**
Friday, Jan. 18
ALC – Library 166
8am – 5pm
Exam 2
Project Idea Presentations
Steps to Green Belt