<table>
<thead>
<tr>
<th>Long Term Department Goals (LG)</th>
<th>Short Term Department Goals (SG)</th>
<th>CM Program Learning Outcomes (PLO)</th>
<th>FMAC Outcomes</th>
<th>Assessment Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>LG1: Continue to improve curriculum to reflect global and national construction industry needs.</td>
<td>SG1: Prepare students for successful construction industry career.</td>
<td>SLO No.</td>
<td>ACCE Student Learning Outcome</td>
<td>Com p. No.</td>
</tr>
<tr>
<td>1</td>
<td>Create written communications appropriate to the construction discipline</td>
<td>7a</td>
<td>The student demonstrates written, oral, aural, and graphic communication skills through repetitive assessment and evaluation of industry appropriate genre.</td>
<td>Program Level Outcomes Assessments</td>
</tr>
<tr>
<td>2</td>
<td>Create oral presentations appropriate to the construction discipline.</td>
<td>7a</td>
<td>The student demonstrates written, oral, aural, and graphic communication skills through repetitive assessment and evaluation of industry appropriate genre.</td>
<td>Students Exit Surveys</td>
</tr>
<tr>
<td>3</td>
<td>Create construction project safety plan.</td>
<td>3e</td>
<td>The student can interpret, apply, and recommend quality improvement programs.</td>
<td>Alumni Surveys</td>
</tr>
<tr>
<td>4</td>
<td>Create construction project cost estimates.</td>
<td>2a</td>
<td>The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.</td>
<td>Employer Surveys</td>
</tr>
<tr>
<td>5</td>
<td>Create construction project schedules.</td>
<td>2a</td>
<td>The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Analyze professional decisions based on ethical principles.</td>
<td>4a</td>
<td>The student can identify the skills needed to strategically lead process, the organization, stakeholders and technologies in an ethically responsible way.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Analyze construction documents for planning and management of construction processes</td>
<td>3c</td>
<td>The student can assess the condition of the facility including its systems, structure, interiors, exteriors and grounds to establish a long term facility plan for the organization.</td>
<td>Capstone Assessments</td>
</tr>
<tr>
<td>SLO No.</td>
<td>ACCE Student Learning Outcome</td>
<td>FMAC Competencies</td>
<td></td>
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<tr>
<td>8</td>
<td>Analyze methods, materials, and equipment used to construct projects.</td>
<td>3d The student can demonstrate a method to plan, measure and evaluate the facility's operational performance.</td>
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<tr>
<td>9</td>
<td>Apply construction management skills as a member of a multi-disciplinary team.</td>
<td>6a Using factors around health, safety, welfare, comfort, safety and security within the organization, the student can practice applications of human resource management.</td>
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</tr>
<tr>
<td>10</td>
<td>Apply electronic-based technology to manage the construction process.</td>
<td>8a The student demonstrates the ability to understand and to apply computer applications for facility management problem solving.</td>
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<tr>
<td></td>
<td>Mapping does not exist between this SLO and FMAC competencies</td>
<td></td>
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<tr>
<td>11</td>
<td>Apply basic surveying techniques for construction layout and control.</td>
<td>3f The student can align facility management technology with organizational information technology.</td>
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</tr>
<tr>
<td>12</td>
<td>Understand different methods of project delivery and the roles and the responsibilities of all constituencies involved in the design and construction process.</td>
<td>2a The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.</td>
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<td></td>
</tr>
</tbody>
</table>
| 13      | Understand construction risk management. | 2a The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk. 3g The student can comprehend and prepare emergency preparedness.
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<th>Com. No.</th>
<th>FMAC Competencies</th>
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<tr>
<td>14</td>
<td>Understand construction accounting and cost control.</td>
<td>2a</td>
<td>The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.</td>
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<tr>
<td></td>
<td></td>
<td>5a</td>
<td>The student uses analysis, budgeting, accounting, risk management, and reporting to demonstrate applications of facility financial management.</td>
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<tr>
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<td>5b</td>
<td>The student can describe applications of corporate real estate finance, management and transactional execution.</td>
</tr>
<tr>
<td>15</td>
<td>Understand construction quality assurance and control.</td>
<td>2a</td>
<td>The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3e</td>
<td>The student can interpret, apply, and recommend quality improvement programs.</td>
</tr>
<tr>
<td>16</td>
<td>Understand construction project control processes.</td>
<td>2a</td>
<td>The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3a</td>
<td>Using principles of acquisition, installation, operations, maintenance, outsourcing, renovation and disposition of building systems, structure, interiors, exterior and grounds, the student can demonstrate the phases of facility.</td>
</tr>
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<td>SLO No.</td>
<td>ACCE Student Learning Outcome</td>
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<tr>
<td>3c</td>
<td>The student can assess the condition of the facility including its systems, structure, interiors, exteriors and grounds to establish a long term facility plan for the organization.</td>
<td>management from design/acquisition to final disposition.</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Understand the legal implications of contract, common, and regulatory law to manage a construction project.</td>
<td>2a The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Understand the basic principles of sustainable construction.</td>
<td>3h The student can demonstrate awareness of sustainable stewardship principles applied to the built environment.</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Understand the basic principles of structural behavior.</td>
<td>Mapping does not exist between this SLO and FMAC competency</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Understand the basic principles of mechanical, electrical and plumbing systems.</td>
<td>3b As a foundation for operations, maintenance and energy management, the student can recognize the systems, services and functions thereof, and the software applications that support them.</td>
<td></td>
</tr>
<tr>
<td>Mapping does not exist between this FMAC competency and SLO</td>
<td>%</td>
<td>The student can explain the history, international practices, corporate organization and roles of the Facility Management profession</td>
<td></td>
</tr>
</tbody>
</table>