## MEEG 304 Performance Guidelines

### Phase 1 - Concept Selection

<table>
<thead>
<tr>
<th>Senior Design (for reference)</th>
<th>MEEG 304</th>
</tr>
</thead>
<tbody>
<tr>
<td>% of grade</td>
<td></td>
</tr>
</tbody>
</table>

### Synthesizing a Valid Concept

A concept was selected and proposed that:
- Is aligned with project goals and specific wants.
- Is shown to be the best option among alternatives based on trade-off analysis of key metrics derived from customer wants.
- Incorporates available technology at an appropriate level.

60% Select best concept direction among various alternatives, and validate based on: 1) UDesign & NPV method of assessing and integrating customers, wants, & constraints; 2) adding value to sponsor's business; and 3) technical feasibility established in the context of applicable technology benchmarks.

20% Identify & justify subsystems for further design development.

### Resource Use Effectiveness

The phase was executed in a 'cost and time effective' manner: 1) needed resources were identified, engaged, and managed effectively; and 2) milestones were met and deliverables were accomplished on time. A path forward plan was created to deliver project results to the sponsoring business; and as appropriate, define next step developments needed for commercial application.

10% Describe the plan that was followed for who did what, when for Phase 1.

Recommend a path forward.

### Interpersonal Interaction and Communication

The effectiveness of the project was enhanced by the team's: 1) ability to engage and integrate constituents of the extended team into the project through continuous communication processes; 2) teamwork; 3) professional behavior and appearance; and 4) clear and persuasive articulation of project status, validated results, and benefit/risk consequences for the sponsor's business.

10% Function as a cohesive team; Deliver Meeting Agendas, Minutes, & Peer Evaluations.

Demonstrate timely communication in Online Logbook.

Deliver persuasive draft Proposal with UDesign, NPV template, schedule, & sketches.