# CprE/EE/SE 491: Senior Design and Professionalism

## Faculty Advisor Grading Form (40% of course grade)

### Team Members

<table>
<thead>
<tr>
<th>Team Members</th>
<th>Project Plan (15%)</th>
<th>Design Document &amp; Basic implementation (25%)</th>
<th>Participation (10%)</th>
<th>Total (50%)</th>
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### Project Plan Checklist:

1. Problem and need statements
2. Concept sketch
3. System block diagram
4. System description
5. Operating environment
6. User interface description
7. Requirements (functional and non-functional)
8. Market and literature survey of similar products
9. Deliverables
10. Work plan:
   - Work breakdown structure
   - Resource requirements
   - Project schedule
   - Risks

### Design Document Checklist:

1. **High-level design**
   - Concept sketch
   - Functional decomposition
   - System analysis (design tradeoffs)
   - Technology platforms/choices

2. **Detailed design**
   - System architecture (block diagram)
   - Design for each functional module
   - Interface design (interface between functional modules, user interface)

3. **Testing and Evaluation plan**
   - Test plan (unit, integration, and system testing, sample test cases)
   - Simulation, modeling and/or prototyping (performance metrics, validation means, preliminary results)

4. **Implementation of Basic Building Blocks, Platforms/Tools Learning**

### Participation Checklist:

1. Weekly meeting attendance
2. Timeliness
3. Contributions to discussions
4. Contributions to documentation