Criteria for Engineering Capstone Design Courses in CS&E
(Approved some years ago by faculty)

1. Should be at the senior level; should include at least one of CIS 560, 570, or 675 as a pre-req.
2. Should include as pre-reqs all manifestly relevant courses which are part of the CSE core or the option for which the design course is intended.
3. Design latitude: Should include evaluation of design alternatives; should be at least somewhat open ended.
4. More than one-half of the course objective should be design:
   - Course objectives should include design in a significant way.
   - Grade plan should base grade at least one third on the design component (in contrast to domain knowledge, pure implementation, etc.)
   - Class time distribution should include at least one hour of lab credit based on a minimum of 3 hours of nominal lab time (usually unstructured). So a 4-credit class should not meet for 4 scheduled lectures per week.
5. Documentation: Project deliverables should include design documentation; the grading scheme should account for the quality of the design documentation/presentation (including evaluation of grammar, organization, clarity, etc.)
6. Desirable features: Oral presentations, use of realistic constraints, etc.