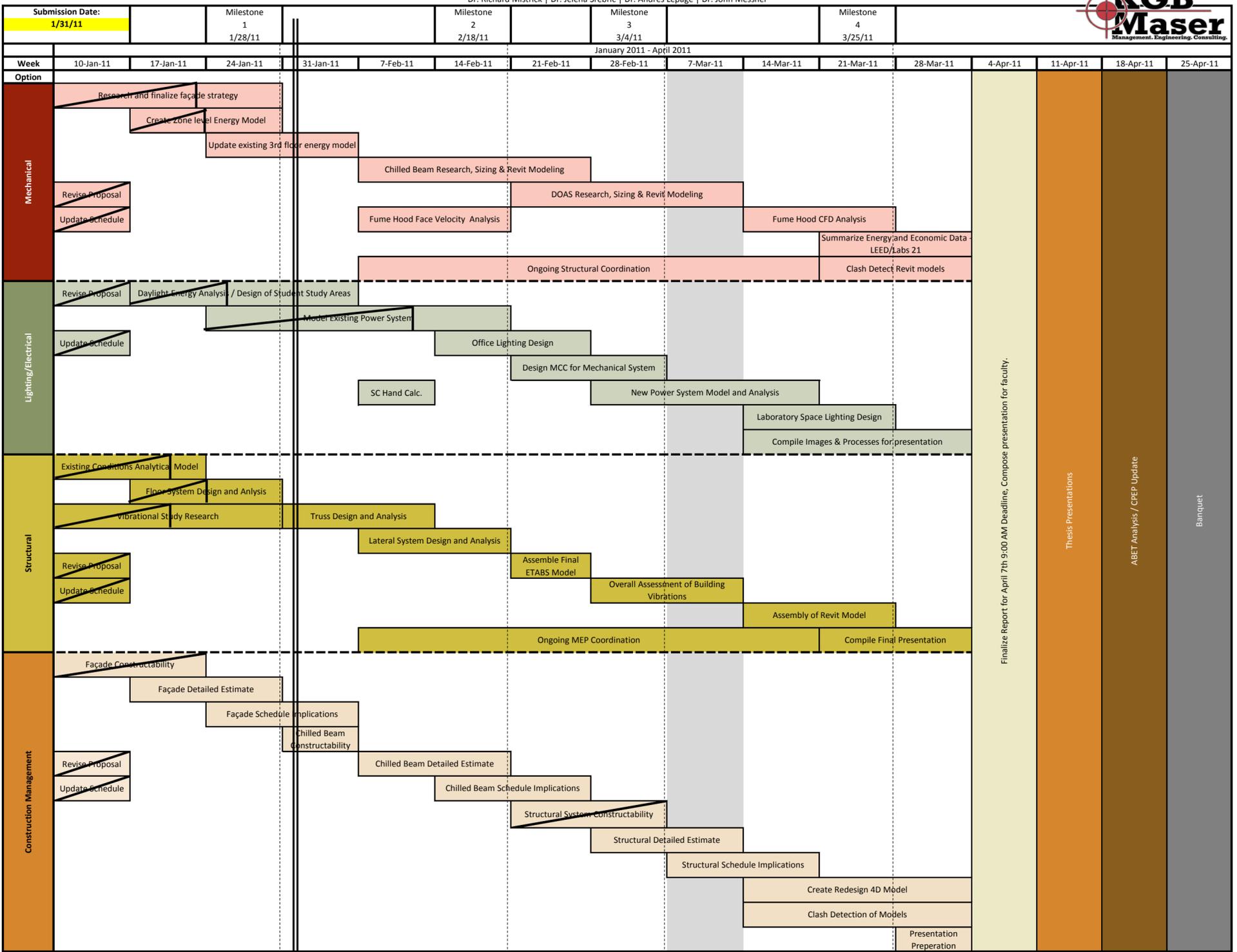


**[Updated IPD/BIM Spring Semester Schedule]**

Jason Brognano (L/E) | Michael Gilroy (M) | Stephen Kijak (S) | David Maser (CM)  
 Dr. Richard Mistrick | Dr. Jelena Srebric | Dr. Andres Lepage | Dr. John Messner



**Milestone Activity List**

- 1. January 29, 2011
  - Mechanical Finalize façade alterations after options evaluated for cost, constructability, and energy impacts
  - Lighting Lighting design completed for student study area, 2 orientations, shading delivery complete, list of components and initial model of third floor SKM model.
  - Structural Floor System designed in compliance with vibrational constraints and gravity loads
  - Construction Detailed estimate of the changes to the façade system of Millennium Science Complex; Schedule Implications will be investigated.
- 2. February 18, 2011
  - Mechanical Complete fume hood face velocity flow analysis (duct size and amount of exhaust CFM needed for each fume hood) and have available for electrical coordination. Estimate duct sizing to chilled beams for early structural coordination
  - Lighting Complete SKM model of existing third floor system, short circuit hand calculation complete, lighting design and shading for office space in two orientations complete.
  - Structural Lateral System design complete; Revit structure model is partially constructed with floor system and trusses in place
  - Construction Chilled beam detailed estimate of the changes to the mechanical system; Schedule implications will be investigated.
- 3. March 5, 2011
  - Mechanical Completed chilled layout on the 3rd floor spaces where applicable. Complete design of VAV systems where applicable.
  - Lighting Complete office electrical design, complete motor control center design, list of components and initial SKM model of system changes in the third floor distribution.
  - Structural Final ETABS model completely assembled and ready for final analysis; Vibrational analysis of entire structure begun
  - Construction Structural system constructability and crane review will be completed and detailed take offs of the structural system will be completed for the estimate.
- 4. March 25, 2011
  - Mechanical Complete CFD analysis of fume hoods for proof of operator safety. Complete 3rd floor structural coordination in Revit.
  - Lighting SKM analysis results complete, complete lighting and electrical design of laboratory space.
  - Structural Revit structure model completely assembled; Final report started with all necessary material ready to be compiled
  - Construction 4D model of design changes and clash detection of redesign 3D models will be taking place and design of the presentation will begin.

