CHE 471: MODIFIED (November 1) SYLLABUS
FOR NOVEMBER AND DECEMBER 2012

Week 11: Review of Hazards of Exothermic Reactions and Exam 2
October 30: Review for Exam 2
November 1: Review of non-isothermal systems (EXAM 2 in the evening)
November 2: Accidents due to reaction runaways

Week 12: Transport Effects on Reaction Rates (Ch.18 + notes part III)
November 6: Transport Effects on Solid Catalyzed Reactions
November 8: Transport Effects on Solid Catalyzed Reactions
November 9: Illustration of effectiveness factor problems

Week 13: Reactors for Solid Catalyzed Reactions (Ch.19, 20 +notes part III)
November 13: Packed Bed Reactors (HW 9 due)
November 15: Fluidized Bed Reactors
November 16: Review of gas-solid Reactors

Week 14: Transport Effects on Fluid-Fluid, Fluid –Solid Reactions (Ch. 23, 24+notes)
November 20: Fluid-Fluid Reactions (HW 10 due)
November 22: THANKSGIVING BREAK
November 23: THANKSGIVING BREAK

Week 15: Multiphase Reactors (Notes +Ch. 27, 28, 29)
November 27: Multiphase Reactors
November 29: Biochemical Reactors
November 30: Problem solving

Week 16: Multiscale Approach to Reactor Engineering Notes
December 4: Review (HW 11 due)
December 6: Team Project Presentations (EXAM 3 in the evening)
December 7: Team Project Presentations (Term Reports due)

December 17: FINAL QUIZ (1 to 3 P.M.) Closed Book, Closed notes