




Douglas Tower
 Drexel University Race Street Dormitory
 Updated Spring Schedule as of 9-March
 Advisor: Parfitt

16-Jan	22-Jan	29-Jan	5-Feb	12-Feb	19-Feb	26-Feb	5-Mar	12-Mar	19-Mar	26-Mar	2-Apr	9-Apr	
<i>Phase 1</i>													
Layout													
1. Research tunnel form systems								S P R I N G	 Not Completed  Partially Completed  Completed				
2. Determine possible alternative building shape and structural layout													
<i>Phase 2</i>													
Floor and Wall system analysis													
3. Establish trial member sizes								S P R I N G					
a. Minimum slab thickness from ACI 318													
b. Column sizes from CRSI design tables													
c. Establish trial wall thicknesses													
4. Refine floor systems for typical bays													
a. ADOSS program analysis													
5. Create ETABS model and detail structural system													
<i>Phase 3</i>													
Lateral force resisting system check													
6. Determine Lateral loads using ASCE 7- 05								B R E A K					
7. Check building using ETABS model													
<i>Phase 4</i>													
8. Design typical wing by hand according to ACI 318								B R E A K					
9. Hand check building for deflection/torsion/overturning													
<i>Phase 5</i>													
Foundation design													
10. Redesign foundation to accommodate new system													
<i>Phase 6</i>													
Breadth Studies													
11. Architecture								B R E A K					
a. Finalize architecture layout													
12. Construction													
a. Cost analysis using R.S. Means and manufacturer costs													
b. Cost works comparison of schedule													
<i>Phase 7</i>													
Finalize Project													