

Course Content:

No	List of Topics	Contact Hours
1.	Review of chemical kinetics laws for simple reactions.	6
2.	Chemical kinetics laws for complex reactions.	6
3.	Kinetics of chain reactions in gaseous phase.	4
4.	Branched chain explosions and degenerate Branching or Cool Flames.	6
5.	Kinetics of reactions in solution	8
Total		30

D. Students Assessment Activities:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	First homework	3	5 %
2.	First midterm exam	7	25%
3.	Second homework	9	5 %
4.	Second midterm exam	13	25 %
5.	Final exam	16	40 %

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)