

## Labs 1-4: Wood Adhesives and Coatings

### Schedule

Week	Start Date	Lab	Topic	*Sections	
				2:00pm	3:30pm
1	Sep 8		Group assignments	A, B	
2	Sep 15		Lab Safety, report expectations	A, B	
3	Sep 22	1.1	Starch Films- preparation	A	B
4	Sept 29	1.2	Starch Films- testing	A	B
5	Oct 6	2.1	Nanocrystalline cellulose hydrolysis*	A	B
6	Oct 13	2.2	Nanocrystalline cellulose purification*	A	B
7	Oct 20	2.3	Nanocrystalline cellulose yield*	A	B
8	Oct 27	3.1	Polymerization	A	B
9	Nov 3	3.2	Polymerization - testing	A	B
10	Nov 10	4.1	Wood Adhesives – Preparation I	A	B
11	Nov 17	4.2	Wood Adhesives – Testing	A	A
12	Nov 24	4.2	Wood Adhesives – Testing	B	B
13	Dec 1		Team Project Review	A,B	

**\*Section A (Groups 1 – 5) : Section B (Groups 6 – 9)**

### Groups

All labs will be performed in groups of 2-3 students. Section A consists of groups 1 to 5. Section B consists of groups 6 to 9. Each group must submit their data to the teaching assistant **prior** to leaving each lab session for data collected in the lab.

### Deadlines

Laboratory reports are due *two weeks* after the completion of the laboratory. Reports are to be handed in at the WOOD 373 laboratory in the first 10 minutes of class. Late reports will not be accepted.