MECH 410A Special Topics in Mechanical Engineering - PULP & PAPER TCH

Instructor:
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Note: Course will also be taught by videolink to UVIC

Lecture Content:
This course gives an overview of pulp and paper operations. Students will gain a basic understanding of the process of converting wood to paper. Included are the conversion of wood to fibre through mechanical or chemical pulping, processing of recycled fibre, the papermaking process and paper converting operations. A short introduction with regards to newer developments such as integration of biorefinery processes is given.

Lecture topics are:
Introduction
Natural resources and fibre morphology
Pulp rheology
Mechanical pulping
Screening and cleaning
Chemical pulping and recovery
Recycled fibre
Papermaking introduction (Products, physics, testing, chemistry)
Stock preparation and LC refining
Papermachine

- Approach flow
- < >< >Gain a basic understanding of the pulp and papermaking process
- Be familiar with basic concepts and terminology in pulp and paper processing
- Understand the interrelation between wood, pulp and paper properties and quality

Lecture Days and Times
As this course will also be taught via videolink to students in UVIC, it will not be taught on the normal UBC timetable. The course will be on Modays and Thursdays from 11:30 - 12:50