

**Syllabus**  
**Sustainable Forests**  
**FRST 100**  
**Fall 2016**

*UNIT I - FORESTS*

**WEEK 1**

Lecture 1      Introduction      Sep 7  
                    Course mechanics

Lecture 2      Sustainability in an unstable system      Sep 9

**WEEK 2**

Lecture 3      Forests of the world (I)      Sep 12  
                    Boreal and Temperate

Lecture 4      Forests of the world (II)      Sep 14  
                    Temperate (cont'd)

Lecture 5      Forests of the world (III)      Sep 16  
                    Temperate (cont'd)

**WEEK 3**

Lecture 6      Forests of Canada      Sep 19

Lecture 7      Forests of the world (IV)      Sep 21  
                    Tropical (wet and dry)  
                    *Juliana Magalhães*

Lecture 8      Finding your way around Forestry      Sep 23  
                    *Student Services*

#### **WEEK 4**

Lecture 9	How do trees grow? General tree physiology and anatomy	Sep 26
Lecture 10	What is an ecosystem?	Sep 28
Lecture 11	Video " <i>Green Fire</i> "	Sep 30

#### **WEEK 5**

Lecture 12	General themes Review of topics to date	Oct 3
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#### ***UNIT II – MANAGING FORESTS***

Lecture 13	Silviculture and forest management	Oct 5
Lecture 14	Writing essays	Oct 7

#### **WEEK 6**

#### **HOLIDAY**

**Oct 10**

Lecture 15	Domestication of trees <i>Prof. Yousry El-Kasaby</i>	Oct 12
Lecture 16	Using libraries and researching papers <i>Sally Taylor</i>	Oct 14

**WEEK 7**

Lecture 17      What is forest conservation?  
Pinchot and Leopold essays      Oct 17

Lecture 18      What is science-based forestry?      Oct 19

Lecture 19      General themes  
Review of topics to date      Oct 21

**WEEK 8**

**MIDTERM (In Class)      Oct 24**

Lecture 20      What goods and services do forests provide?  
*Juliana Magalhães*      Oct 26

Lecture 21      Wood products      Oct 28

**WEEK 9**

Lecture 22      NTFR – coffee and agroforestry  
*David Aquino*      Oct 31

Lecture 23      Midterm and General Themes discussion      Nov 2

**ESSAY DRAFT DUE      Nov 2**

Lecture 24      Urban forestry  
*Prof. Cecil Konijnendijk*      Nov 4

**WEEK 10**

Lecture 25      Stanley Park Management Plan      Nov 7

Lecture 26      Parks  
*Juliana Magalhães*      Nov 9

**HOLIDAY      Nov 11**

**WEEK 11**

Lecture 27	Movement of goods (International trade) <i>Prof. Harry Nelson</i>	Nov 14
Lecture 28	Forest certification <i>Dr. Anna Tikina</i>	Nov 16
Lecture 29	Forest restoration in the oil sands <i>Dr. Craig Farnden</i>	Nov 18

***UNIT III – ISSUES IN FOREST SUSTAINABILITY*****WEEK 12**

Lecture 30	Sustainable Forestry <i>Dean John Innes</i>	Nov 21
Lecture 31	Canadian forest issues	Nov 23
Lecture 32	Ethics in forestry	Nov 25

**WEEK 13**

Lecture 33	The profession of forestry	Nov 28
Lecture 34	Summary	Nov 30
Lecture 35	Questions/Open Discussion	Dec 2

**ESSAY DUE****Dec 2**