

FOR 113-1
FORESTRY
SPRING FIELD EXERCISES

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

FOR 113-1
Course Number

SPRING FIELD EXERCISES
Course Name

COURSE OUTLINE

Course Title: SPRING FIELD EXERCISES

Code No.: FOR 113-1

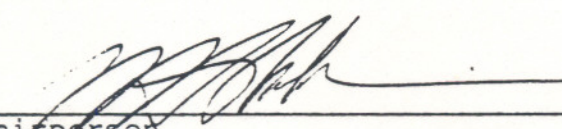
Program: FORESTRY TECHNICIAN

Semester: WINTER

Date: APRIL, 1987

Author: KEN GOULDING

New: _____ Revision: X

APPROVED: 
Chairperson

Date: Apr 21/87

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FOR 113-1
SPRING FIELD EXERCISES

CALENDAR DESCRIPTION

SPRING FIELD EXERCISES

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Course Name

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PHILOSOPHY/GOALS:

This week-long intensive training and testing program will certify freshman competency in dendrology, tree planting, emergency first aid, communication skills and use of forestry tools. Each student will be expected to exhibit a responsible attitude towards employment and recognize his/her own level of competence.

METHOD OF ASSESSMENT (GRADING METHOD):

Comprehensive multiple choice/true-false/short answer test on all topics covered will be given at week's end.

Meteorology	15%
Compassing	15%
Mill Tour	15%
Tree Planting	20%
Small Engines	15%
Tour Day	20%

100%

In addition, a passing grade must be obtained in St. John's Ambulance - Emergency First Aid course. Students must hold a valid First Aid Certificate on graduation day. Students must attend the Great Lakes Forestry Centre tour to receive credit for this activity.

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FIRST AID

Objective - To have all students in possession of a valid first aid certificate upon graduation.

Students holding First Aid Certificates valid on graduation day will be exempt.

In order to obtain a First Aid Certificate a student must pay the St. John's fee of \$9.50. Fees are paid in advance at the Accounting Office (A1010) on Wednesday or Thursday, April 29 and 30, 1987. A receipt must be presented at the door at the first class on Tuesday May 5, 1987 at 7:00 p.m. Attendance is mandatory at all sessions in order to qualify to write the test.

The College will arrange for the procurement and distribution of certificates.

Testing:

Students will be required to pass the Emergency St. John's First Aid test with a 70% as a passing mark.

K. Goulding
April 1987

SPRING FIELD WEEK - MAY 4-8, 1987

1 DAY	BIOLOGY, ECOLOGY, DENDROLOGY TOUR
1/2 DAY	TREE PLANT
1/2 DAY	SMALL ENGINES
1/2 DAY	METEOROLOGY
1/2 DAY	SAW MILL TRIP
1/2 DAY	COMPASS-PACE EXERCISE
1/4 DAY	GREAT LAKES FORESTRY CENTRE
1 EVENING, THURS. P.M. & FRIDAY A.M.	FIRST AID - ST. JOHN'S EMERGENCY

METEOROLOGY - SHORT COURSE

Description:

A practical short course designed to integrate basic information about weather and the underlying cause/effect relationships that produce weather phenomena.

Various meteorological instruments used in the assessment and measurement of weather/climate will be introduced and explained.

Emphasis will be placed on the assessment of weather phenomena with a direct impact on environmental issues (acid rain).

Evaluation:

A short answer/multiple choice formatted test comprising 15% of the value of the entire field week, written at the conclusion of the course.

Passing grade for Meteorology is 60%

V. Walker

April, 1987

COMPASS-PACE TEST

Objectives:

To ensure that students leaving for summer employment maintain accuracy in pacing and compassing -

Each student will be required to:

1. Pace a distance to an accuracy of + 5%. A student must pass this before attempting the compass-pace test.
2. Compass and pace a triangular course to an accuracy of + 6%

A = + 2% allowable error (15 marks)

B = + 4% allowable error (12 marks)

C = + 6% allowable error (9 marks)

John Wiskin

April, 1987

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MILL TOUR DURING SPRING FIELD WEEK

Objectives:

- To show the student how the round wood is converted into a manufactured product (wood to fibre product)
- To give the student some visual concept of the functioning and the magnitude of the pulp and paper industry

Testing:

- An objective test of multiple choice questions related to the tour.

(15% of total mark)

T. White

April, 1987

R. Correll
April, 1987

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TREE PLANTING

(1/2 Day)

Objective:

To teach students the correct procedures and techniques to operationally plant bare root and containerized (paperpot) tree seedlings.

The instructor will visually inspect 10 seedlings planted by each student and assess the quality of planting each tree, using M.N.R. standards.

- E.G.
- too deep
 - too shallow
 - roots exposed, balled up
 - unacceptable stem angle
 - suitability of planting spot
 - tree firmness
 - tree spacing

A mark out of 20 will be assigned.

R. Currell

April, 1987

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SMALL ENGINES

Objective:

To have students familiar with small engine basics, including:

- types
- operation
- maintenance
- trouble-shooting
- emergency repair

Engine systems that will be covered:

- ignition
- fuel
- air
- cooling
- starting

Evaluation:

Multiple choice, short answer test for a total of 15 marks. Pass is 10 marks.

K. Goulding

April, 1987

FIELD WEEK TOUR DAY

Dendrology

A look at several stands for tree and plant identification. Emphasis will be on mature trees for bark silhouettes.

A look at a typical sphagnum bog for species, composition, succession, and wildlife use.

Ecology

A deer habitat survey will be conducted by the students.

Comparisons will be made to moose habitat, several areas will be looked at for suitability as small game habitat.

Evaluation

Will be a combination of true/false and multiple choice questions.

It will be evenly divided between Dendrology and Ecology and will comprise a total of 20% of the Field Week mark.

D. Murphy/H. Cooper

April, 1987

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FIELD WEEK SCHEDULE

GREAT LAKES FOREST RESEARCH CENTRE

Objective - to give students an understanding of the kinds of research work done in Ontario and Canada.

Evaluation:

Mandatory attendance.

LEGEND

GLFC = GREAT LAKES FORESTRY CENTRE

COMP = COMPASS-PACE

MILL = SAWMILL TRIP

PLA = TREE PLANT

ENG = SMALL ENGINES

MET = METEOROLOGY

TOUR = ECOLOGY/DENDROLOGY

K. Goulding

April, 1987

IF YOU ARE DEFERRING OR NOT LISTED, SEE KEN GOULDING

A.S.C.D. LISTS POSTED

FIELD WEEK SCHEDULE

MAY 4-8, 1987

DAY	TIME	A	B	C	D
MON	AM 9-12	PLA	ENG	TOUR	MILL
	PM 1-4	MET	MET	TOUR	PLA
TUES	AM 9-12	TOUR	TOUR	MET	MET
	PM 1-4	TOUR	TOUR	ENG	COMP
	EVENING 7-10 PM FIRST AID - TUESDAY				
WED	AM 9-12	ENG	MILL	COMP	TOUR
	PM 1-4	MILL	COMP	PLA	TOUR
THURS	AM 9-12	COMP	PLA	MILL	ENG
	PM 1-3	GLFC	GLFC	FIRST	AID
	3-5	FIRST	AID	GLFC	GLFC
FRI	AM 8:30-12:30	ST. JOHN'S AMBULANCE - FIRST AID			

A, B, C, D
LISTS
POSTED

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OR NOT
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SEE KEN
GOULDING

LEGEND

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- MET = METEOROLOGY
- ENG = SMALL ENGINES
- PLA = TREE PLANT
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- GLFC = GREAT LAKES FORESTRY CENTRE

K. Goulding
April, 1987