

Dakota College @ Bottineau Course Syllabus

Course Prefix/Number/Title:

HORT 172 Horticulture Food Crops
Spring Semester 2011: 2 credits

Course Description:

Production and physiological principles involved in growing vegetable and fruit crops will be discussed. Emphasis will be placed on plants suitable for market gardening and farmer's markets.

Course Objectives:

To understand general principles of vegetable and fruit production
To know specific facts about vegetable and fruit production
Perform practices such as propagation of vegetable and small fruit crops
Growing greenhouse vegetables
Identification of seeds, plants and fruit of common fruits and vegetables

Instructor:

Diann Beckman

Office:

Molberg 20

Office Hours:

MWF 11-11:50 Other hours by appointment

Phone:

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Email:

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Lecture/Lab Schedule:

Lecture M 1:00 – 2:00

Lab W 1:00 – 3:00

Textbook(s):

All about Vegetables

Ortho Books

Territorial seed companies

Vegetable seed catalog (Order on-line) [www.territorial](http://www.territorialseeds.com) seeds.com

Recommended Text All about growing Fruits, Berries and Nuts

Ortho Books

Course Requirements:

Designing a layout for a home garden and a small commercial garden

Select fruits or vegetables to be grown to support a family of 4 and select crops to be grown on a small commercial scale.

Tests will be given covering;

1. Jeff Ball Garden Planning tapes,
2. Vegetable cultural information and seed ID,
3. Small fruit production

Grading;

100-90% = A, 90-80% = B, 80-70% = C, 70-60% = D, Below 60% = F

Tentative Course Outline:**Week One**

Chapter one-All about vegetables "Ways to garden smarter"

Lab; Video How to design and build a vegetable garden

Week Two

Chapter two and three "Making a garden and Gardening with the seasons"

Lab; Video How to grow cool weather vegetables

Starting seed for greenhouse garden

Week Three

Video's – How to grow warm weather vegetables

A small commercial garden

Test Chapters 1-3 and video information

Week Four

Chapter four "Growing great vegetables"

Lab; conducting seed viability tests

Week Five

Vegetable ID and Cultural notes

Lab; Seed viability results & Vegetable ID

Week Six

Vegetable ID and Cultural notes

Transplanting Greenhouse vegetables & Vegetable ID

Week Seven

Vegetable ID and Cultural notes

Lab; Greenhouse garden maintenance

Week Eight

Vegetable ID and Cultural notes

Lab; growing sprouts at home

Week Nine

Vegetable ID

Lab; Greenhouse garden maintenance and sampling sprouts

Week Ten

Spring Break

Week Eleven

Vegetable ID

Test on Vegetable information and seed ID

Week Twelve

Growing Small Fruit in North Dakota

Cass County Extension bulletins

Lab;

Grape cuttings

Week Thirteen

Growing fruits Berries and nuts

Ortho book

Lab: Training small fruits

Week Fourteen

Pruning and training fruit trees

Univ. of Minn. extension bulletins

Lab; Pruning fruit trees

Week fifteen

Identification of fruit, berries and nuts

Lab; ID of small fruit

Week Sixteen

Identification of fruit, berries and nuts

Lab: ID of fruit and nut bearing trees

Week Seventeen

Final exam

Fruits berries and nuts

Relationship to Campus Theme:

With the green movement to protect the environment and in today's economy; throughout the world ,it is predicted that vast numbers of people will again grow a vegetable garden. Whether it is out of necessity or just to be guaranteed fresh and chemical free food, we need to understand ways to grow and market fresh produce. The new Buzz is to Buy Local/Buy Whole foods which should be a boon for the Farmers Markets.

Classroom Policies:

Read ahead so that we can have discussion in class

No Texting!!!!!!!!!!!!!!

Laptops are allowed to follow along with Plant Id photos

Academic Integrity:

Students are expected to perform their own work, any plagiarism or cheating will result in an automatic f for the project.

Disabilities and Special Needs:

Please inform me within the first week of class of any assistance that may be required because of a disability or special need.