

## Dakota College at Bottineau Course Syllabus

Course Prefix/Number/Title: **HORT 122 Aquaponics Production**

Number of credits: 1

Course Description: Course is a study of aquaponics and production methods. Course materials will look at methods used in aquaponics production, variables, species characteristics of fish and plants, and integrated pest management techniques (IPM).

Pre-/Co-requisites: HORT 121 – Introduction to Aquaponics

Course Objectives:

- Demonstrate understanding of aquaponics production methods.
- Explain the proper steps used when changing variables within the aquaponics operation.
- Describe environmental characteristics of different plant and fish species.
- Display proficiency in daily operations pertaining to the fish and plant production.

Instructor: Keith Knudson

Office: 105 Simrall Blvd.; Bottineau, North Dakota 58318

Office Hours: TBD

Phone: 701-228-5489

Email: keith.knudson@dakotacollege.edu

Lecture/Lab Schedule: Online

Textbook(s): Textbook is not required. But recommended resource is Aquaponics Food Production ISBN 978-0-9779696-1-6, 218 pages, 37 color photos and diagrams, 14 grayscale photos and diagrams, soft cover, released July, 2008.

SKU Number: AFPB

Course Requirements: Prerequisite –This is a pass/fail course. The minimum passing score is 70%.

#### Tentative Course Outline:

- Feeding fish
- Water Quality
- Plant Nutrition
- Lighting (Supplemental)
- Pest and Diseases

Relationship to Campus Theme: This course is part of our Aquaponics Production and Management program and it addresses the campus theme of Nature, Technology and Beyond by learning about our natural resources and how best to utilize each resource. The latest technology is discussed and demonstrated.

#### Classroom Policies:

1. Cell phones, iPods and related technologies use are prohibited in the classroom unless otherwise instructed. It is recommended that you do not bring your internet/cellular device into the classroom if it interrupts you or your fellow student in the course that you have purchased, as you will not receive the value you should expect in order to excel in the area of study.
2. Food and beverages are permitted in accordance with IVN classroom policy.
3. Be respectful of other students, instructor and guests.

#### Student Email Policy:

Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student.

Academic Integrity: All students are expected to excel to the best of their ability. Students must adhere to the highest standards of academic integrity. Dishonesty in the classroom or laboratory and with assignments, quizzes and exams is a serious offense and is subject to disciplinary action by the instructor and college administration. For more information, refer to the student handbook.

Disabilities and Special Needs: If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact your instructor and the Learning Center (701-228-5479) as early as possible during the beginning of the semester