**HRT 3101** VEGETABLE PRODUCTION

###### 2. COURSE CODE:

3. COURSE INSTRUCTOR

Dr R. Namirembe-Ssonkko (PhD)

4. COURSE DESCRIPTION

A study of production principles and cultural practices involved in the growing of vegetable crops. With emphasise on the importance of vegetables and their food values; classification of vegetable crops; environmental factors affecting vegetable production and production requirements and practices for various exotic and indigenous vegetable crop species.

##### 5. COURSE OBJECTIVES:

##### At the completion of the course, students will have developed the knowledge and skills to examine in detail the ecological constraints, biological patterns important to their culture, range of production technologies, and cultural practices utilised for a given vegetable crop or group of vegetable crops.

6. COURSE OUTLINE:

Week 1: Introduction: Definitions/History of vegetable Crops (3 hrs)

Week 2: The Uganda Vegetable Industry (3hrs)

Week 3: Classification of Vegetables (1 hr)

Environmental factors affecting vegetable crop production (2 hrs)

Weeks 4-12: Specific vegetable crop characteristics and growing practices for various vegetable crops:-(30 hrs):

Potherbs or greens (Spinach, Collards, Amaranthus, Nakatti, etc)

Cole crops (Cabbage, Broccoli, Cauliflower, Chinese cabbage, etc)

Leafy salad crops (Lettuce, Celery, etc)

Root crops (Carrot, Radish, Turnip, Beetroot, etc)

Alliums (Onion, Leek, Garlic, etc)

Solanaceous crops (Tomato, Pepper, Eggplant, Ntula, etc)

Legumes (French beans, Snow peas, etc)

Cucurbits (Cucumber, Melons, Pumpkins, Marrow, etc)

Miscellanous vegetables (Sweet corn, Okra, exotic vegetables)

Weeks 13-15: Field visits to various commercial vegetable growers (9 hrs)

Weeks 16-17 Final Exam

7. COURSE STRUCTURE & LOCATION

3 Credit units: 30 lecture hours (2 contact hours per week for 15 study weeks) and 30 practical hours (1 contact hour per week for 15 study weeks)

Lectures will be conducted from the Lower lecture theatre, Faculty of Agriculture.

Practicals will be conducted in the field from research institutes and farmer’s fields.

COURSE ASSESSMENT

Tests 20%

Practical 20%

Written examination 60%

READING LIST

Lecture Notes

Decoteau, D. R. (2000). Vegetable Crops. 544 pp. ISBN 0 – 13 – 956996 –0. Prentice Hall.

Tindal, H.D. (1988). Vegetables in the tropics. 533 pp. ISBN 0 – 333 – 24268 – 8 Macmillan International College Edition.