**INTRODUCTION TO HORTICULTURE**

###### 2. COURSE CODE: HRT 1201

3. COURSE INSTRUCTOR

Dr. R. Namirembe-Ssonkko (PhD)

4. COURSE DESCRIPTION:

Introduction to horticulture as a science, art and business. Exploration of the major general areas of horticulture and all essential principles and practices of horticulture pertaining to indoor and outdoor production. Emphasis is on the underlying science including current technology and how it is applied to practical horticulture.

5. COURSE OBJECTIVES:

At the completion of this course, the students will have:-

Acquired a sound foundation in all aspects of horticultural science.

Acquired the applications of the principles of horticulture to growing plants both outdoors and indoors.

6. COURSE OUTLINE:

Week 1: Impact of Horticulture: (3hrs)

Commercial Horticulture vs Agriculture Historical perspective

Week 2: The Uganda Horticultural Industry (3 hrs)

Week 3: Biology of Horticulture Classification of horticultural plants (3hrs)

 Structure of horticultural plants (2 hrs)

Week 4: Plant growth and Plant development (3hrs)

Week 5: Technology of Horticulture Controlling plant environment (3hrs)

1. Directing plant growth (1hr)

Week 6: Biological competition (3hrs)

Week 7: Mechanisms of propagation (1hr)

1. Plant improvement (2hrs)

Week 8: Marketing and Industry of Horticulture (3hrs)

Week 9: Horticultural geography (1hr)

## Horticultural production systems (2hrs)

Week 10: Horticultural crops (2hrs)

1. Esthetics of horticulture (1 hr)

Week 11 Seminar presentations: Stakeholders of the Uganda Horticultural Industry (3hrs)

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Week 13 Excursions to various horticultural firms in Uganda (3hrs)

Week 14 Excursions to various horticultural firms in Uganda (3hrs)

Week 15 Excursions to various horticultural firms in Uganda (3hrs)

Week 16–17: Final examinations

7. COURSE STRUCTURE & LOCATION:

3 Credit units comprising 15 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 and Labs will be conducted from the East Lab, Faculty of Agriculture. Practical mostly field trips

8. ASSESSMENT:

Practical evaluation (20%)

Tests (20%)

Final Exam (60%)

9. READING LIST:

Lecture notes.

Acquaah, G. (2002). Horticulture: Principles and Practices. 772 pp. ISBN 0 – 13 - 114412 – X. Prentice Hall.

Rice, L. R. and R. P. Rice Jr. (2000). Practical Horticulture. 4th Edition. 464 pp. ISBN 0 – 13 – 020610 – 5 Hbk. Prentice Hall.