

Curriculum Committee



New Course Proposal

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| School or Division | School of Business and Technology |
| Program or Certificate | N/A |
| Proposed by (faculty only) | Leroy Bugger |
| Presenter (faculty only) | Leroy Bugger |
| Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date. | |
| Submission date | 11/13/2017 |
| Course prefix, number, and title | HOS 1010 Introduction to Horticulture |

Section I, New Course Information (must complete all items)

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| List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D"). | None |
| Provide justification for the proposed prerequisite(s). | N/A |
| Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)? | No |
| List course co-requisites. | None |
| Provide justification for the proposed co-requisite(s). | N/A |
| Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032) | No |
| Course credits or clock hours | 3 |
| Contact hours (faculty load) | 3 |
| Select grade mode | Standard Grading (A, B, C, D, F) |
| Credit type | College Credit |
| Course description (provide below) | |
| A basic study of plant science fundamentals and their relationship to agriculture crop production. Topics include plant growth and development, structure, classification, origin, propagation, influence of climate, reproduction, photosynthesis, respiration, and nutrition. | |

General topic outline (type in outline below)

- Biology of horticulture
- Scientific principles involved in the production of horticultural crops
- Plant classification, plant problems, and plant growth and plant use

Learning Outcomes: For information purposes only.

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies:* Communicate

Explain the importance of higher plants to man and the environment

2. Supplemental *General Education Competency or competencies:*

B. Other Course Objectives/Standards

- Identify the botanical structure of higher plants
- Describe the major ways that plants are propagated
- Restate the process of photosynthesis and its importance
- Explain the basics of soils and fertilizers and their importance in plant survival and growth
- Recognize the basic plant pests and how they are controlled
- Illustrate in detail the major agricultural plant groups

Copy and Paste the SCNS Course Profile Description below (http://scns.fldoe.org/scns/public/pb_index.jsp).

BASIC THEORIES OF PLANT NUTRIENTS, SOIL TYPES, AND SURVEY OF VARIOUS FIELDS OF HORTICULTURE. COURSE OUTLINE PLANT CLASSIFICATION A. HORTICULTURAL CLASSIFICATION B. SCIENTIFIC CLASSIFICATION 1. THE PLANT KINGDOM A. EVOLUTION OF PLANTS B. TAXONOMICAL AND MORPHOLOGICAL COMPARISON OF PLANTS THE STRUCTURE OF PLANTS A. ELEMENTS 1. CHEMICAL STRUCTURE 2. PHYSICAL STRUCTURE B. MOLECULES 1. STRUCTURE – ORGANIC INORGANIC C. CELLS - ANATOMY & PHYSIOLOGY D. TISSUES E. ORGANS - ROOTS, STEMS, LEAVES, FLOWERS, FRUIT F. SYSTEMS G. ORGANISMS - INDIVIDUALS PLANT GROWTH A. PHOTOSYNTHESIS B. METABOLISM C. CELL DIVISION 1. MITOSIS 2. MEIOSIS ENVIRONMENTAL FACTORS IN PLANT GROWTH A. SOILS 1. MECHANICAL

(PHYSICAL STRUCTURE) 2. CHEMICAL PROPERTIES 3. MICRO ORGANISMS B. WATER 1. HYGROSCOPIC 2. CAPILLARY 3. GRAVITATIONAL C. AIR D. LIGHT 1. QUALITY 2. QUANTITY 3. DURATION E. TEMPERATURE PLANT NUTRITION A. NUTRITIONAL ELEMENTS 1. SOURCE MATERIALS A. ORGANIC B. INORGANIC 2. AVAILABILITY A. SOLUBILITY B. DECOMPOSITION 3. EQUIVALENT ACIDITY 4. FORMULAS 5. COST B. NUTRIENT ABSORPTION & TRANSLOCATION 1. DIFFUSION 2. OSMOSIS 3. ADSORPTION, ABSORPTION & IMBIBITION 4. AREAS OF ABSORPTION & MOVEMENT OF WATER & NUTRITION C. FUNCTION OF ESSENTIAL ELEMENTS IN PLANT GROWTH AND DEVELOPMENT 1. TOXICITY SYMPTOMS - CORRECTIVE MEASURES 2. DEFICIENCY SYMPTOMS - CORRECTIVE MEASURES 3. METHOD OF APPLICATION 4. RATES OF APPLICATION PLANT PROPAGATION A. SEXUAL 1. SEEDS - HYBRIDS ETC. B. A SEXUAL 1. MERISTEM PROPAGATION 2. CUTTINGS 3. AIRLAYERING 4. BUDDING 5. GRAFTING (8/84)

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| ICS code for this course | ADVANCED AND PROFESSIONAL - 1.11.01 - AGRICULTURE & NAT. RES. |
| Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no". | No |
| Is the course an "International or Diversity Focus" course? | No, not International or Diversity Focus |
| Is the course a General Education course? | No |
| Is the course a Writing Intensive course? | No |
| Is the course repeatable*? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness | No |
| Do you expect to offer this course three times or less (experimental)? | Yes |

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| Impact of Course Proposal | |
| Will this new course proposal impact other courses, programs, departments, or budgets? | No |
| If the answer to the question above is "yes", list the impact on other courses, programs, or budgets? | |
| Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below. | |
| This class was discussed with the Dean of Pure and Applied Sciences and with the Peggy Romeo, Professor of Biology. | |

Section II, Justification for proposal

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| Provide justification (below) for this proposed curriculum action. |
| This course is in part being proposed to determine the demand and need for agricultural and horticultural-related offerings and programs in Hendy/Glades counties, especially in horticultural and agricultural college credit certificates and a possible AS degree. |

Section III, Important Dates and Endorsements Required

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| List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided). |
| Leroy Bugger, William Van Glabek, Jennifer Patterson |

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost's Office.

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| Term in which approved action will take place | Fall 2018 |
| Provide an explanation below for the requested exception the submission deadline. | |
| N/A | |

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| Any exceptions to the term start date requires the signatures of the Academic Dean or Associate Vice President and the Provost prior to submission. | | |
| Dean or Associate Vice President | Signature | Date |
| Type name here | | |
| Provost | Signature | Date |
| Dr. Jeff Stewart | | |

| Required Endorsements | Type in Name | Select Date |
|--|--------------|-------------|
| Department Chair or Program Coordinator/Director | Leroy Bugger | 11/13/2017 |
| Academic Dean or Associate Vice President | Dr. Tom Rath | 11/13/2017 |

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| Select Curriculum Committee Meeting Date | 12/1/17 |
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All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

Approve Do not approve

May L. Myers
Curriculum Committee Chair Signature

12/5/17
Date

Approve Do not approve

Jeff Stewart
Provost Signature

12/11/17
Date