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**Bulletin / Banner Change Transmittal Form**

**[X ] Undergraduate Curriculum Council**

**[ ] Graduate Council**

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

Email completed proposals to curriculum@astate.edu for inclusion in curriculum committee agenda.

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**Department Curriculum Committee Chair** |

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**COPE Chair (if applicable)** |
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| Donald Kennedy | 2/20/2017 |

**Department Chair:**  |

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**Head of Unit (If applicable)**   |
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| Kim Pittcock | 2/17/2017 |

**College Curriculum Committee Chair** |

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**Undergraduate Curriculum Council Chair** |
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| Timothy N. Burcham | 2/20/2017 |

**College Dean** |

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**Graduate Curriculum Committee Chair** |
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**General Education Committee Chair (If applicable)**   |

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**Vice Chancellor for Academic Affairs** |

**1.Contact Person** (Name, Email Address, Phone Number)

Kim Pittcock, kpittcoc@astate.edu; 2847

**2.Proposed Change**

1. Add the prerequisite of AGRI 2213, Genetic Improv. of Plants and Animals, to PSSC 3333, Plant Breeding.

2. Frequency changes to courses to:

 HORT 3263, Pomology from Fall, odd to Spring, even,

 PSSC 4343, Seed PP&A, from Fall to Spring.

**3.Effective Date**

Fall 2017

**4.Justification –** *Please provide details as to why this change is necessary.*

1. Plant Breeding requires a basic knowledge of genetics concepts and AGRI 2213 will fulfill this requirement.

2. Due to the deletion of 3 courses, the frequency and rotation of several of the remaining 17 courses which I am responsible for need to be adjusted.

**Bulletin Changes**

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| **Instructions**  |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Follow the following guidelines for indicating necessary changes.** **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.** - Deleted courses/credit hours should be marked with a red strike-through (~~red strikethrough~~)- New credit hours and text changes should be listed in blue using enlarged font (blue using enlarged font). - Any new courses should be listed in blue bold italics using enlarged font (***blue bold italics using enlarged font***)*You can easily apply any of these changes by selecting the example text in the instructions above, double-clicking the ‘format painter’ icon 🡪 , and selecting the text you would like to apply the change to.**Please visit* [*https://youtu.be/yjdL2n4lZm4*](https://youtu.be/yjdL2n4lZm4) *for more detailed instructions.* |

**Horticulture (HORT)**

**HORT 2253. Fundamentals of Horticulture** Growth, fruiting habits, propagation, and culture of horticultural plants. Lecture two hours, laboratory two hours per week. Fall, even.

**HORT 3253. Urban Forestry** The biology, selection, management, and role of plants and ecosys­tems used to enhance the aesthetics and function of urban environments. Planning, management and administration of urban forests. Prerequisite, BIOL 1003 or BIO 1503 or PSSC 1303. Fall, even.

**HORT 3263. Pomology** Fruit production, fruiting habits, establishment and management of de­ciduous orchards. Lecture two hours, laboratory two hours per week. Prerequisite, PSSC 1303. ~~Fall, odd~~ Spring, even.

**HORT 3273. Turf Management** The turf industry, characteristics, adaptation, and establishment of the grasses. Prerequisites, PSSC 2813, PSSC 2811, and PSSC 1303. Fall, odd.

**HORT 3283. Landscape Management** Principles and practices for the establishment and main­tenance of residential and commercial landscapes. Lecture two hours, laboratory two hours per week. Prerequisite, PSSC 1303. Fall, even.

**HORT 3293. Landscape Plant Materials** Trees and shrubs and their uses in landscape. Lecture two hours, laboratory two hours per week. Fall, odd.

**HORT 4233. Commercial Vegetable Production** Origin, nutritive value, botany and cultural produc­tion practices of major vegetable crops, emphasizing sustainable practices, soil management, IPM for insects, diseases and weed, with discussion of organic practices and economics of wholesale farmers’ markets. Prerequisite PSSC 1303. Spring, odd.

**HORT 4253. Greenhouse Management** Construction, operational practices, and general man­agement of greenhouses and associated structures. Lecture two hours, laboratory two hours per week. Prerequisite, PSSC 1303. Spring, even.

**HORT 4263. Floriculture** Principles and practices of production of commercial flower crops in the greenhouse and field. Lecture two hours, laboratory two hours per week. Prerequisite, PSSC 1303. Fall, odd.

**HORT 4273. Nursery Management** Principles and practices involved in the production, man­agement, and marketing of field grown and container grown nursery plants. Lecture two hours, laboratory two hours per week. Prerequisites, PSSC 1303. Spring, even.

**PG 425**

*The bulletin can be accessed at http://www.astate.edu/a/registrar/students/*

**HORT 4283. Landscape Design** Continuation of HORT 3293, the organization of outdoor spaces in relation to architecture and general environment. Lecture two hours, laboratory two hours per week. Prerequisite, HORT 3293. Fall, even.

**HORT 429V. Special Problems in Horticulture** For students of senior standing. Approval of instructor and dean necessary. Fall, Spring, Summer.

**HORT 4323. Plant Propagation** Principles, practices, and methods employed in the propagation of plants. Prerequisite, PSSC 1303. Spring, odd.

**Plant and Soil Science (PSSC)**

**PSSC 1301. Plant Science Laboratory** Introduction to agronomic and horticultural concepts related to crop anatomy, growth and development, physiology, and pest identification and management. Spring.

**PSSC 1303. Introduction to Plant Science** Agronomic and horticultural cropping systems includ­ing crop growth and development, crop physiology, crop ecology, environmental considerations, and production and protection practices. Fall, Spring.

**PSSC 2811. Soils Laboratory** Corequisite or prerequisite, PSSC 2813. Fall.

**PSSC 2813. Soils** Origin, classification, physical and chemical properties of soil and environmental considerations. Prerequisite, CHEM 1013 and CHEM 1011 or CHEM 1043 and CHEM 1041. Fall, Spring.

**PSSC 3313. Plant Disease Management** Introduction to management of plant diseases. Ma­jor concepts include genetic, cultural, and biological controls as related to management of plant systems. Self study course utilizing computer technology, seminars, and laboratory exercises. Prerequisites, PSSC 1303. Spring.

**PSSC 3323. Weeds and Weed Control** Identification and pest management of weeds in agro­nomic, horticultural, and urban systems. Survey of herbicides, their chemistry, toxicology, modes of action, uses, and environmental impact. Lecture two hours and laboratory two hours per week. Prerequisites, CHEM 1013 or CHEM 1043; and PSSC 1303. Spring.

**PSSC 3333. Plant Breeding** History of plant improvement, methods of plant breeding, and the basic application of these methods to various agronomic and horticultural crops. Prerequisite, AGRI 2213. Fall, odd.

**PSSC 3802. Pasture and Forage Crops** Introduction to important forage and pasture crops in the mid south region. Discussions will include cropping systems, plant growth and develop­ment, physiology, and environmental considerations. Prerequisite, PSSC 1303. Fall, even.

**PSSC 4313. Plant Growth and Development** Auxins, gibberellins, and various other regulators of plant growth, also phenomena such as flowering and dormancy. Prerequisites, CHEM 1052, HORT 2253 and PSSC 1303. Fall.

**PSSC 4343. Seed Production, Processing and Analysis** Methods of producing quality seeds and seed stocks, processing methods, and techniques of seed analysis and grading. Prerequisite, PSSC 1303. ~~Fall~~ Spring, odd. Dual-listed with PSSC 5343.

Pg 426