Washington State University  
MAJOR CURRICULAR CHANGE FORM - - COURSE  
(Submit original signed form and ten copies to the Registrar’s Office, zip 1035.)

<table>
<thead>
<tr>
<th>Future Effective Date: Fall 2011</th>
<th>□ New course</th>
<th>□ Temporary course</th>
<th>□ Drop service course</th>
</tr>
</thead>
<tbody>
<tr>
<td>(effective date cannot be retroactive)</td>
<td>□ There is a course fee associated with this course (see instructions)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>□ Variable credit</th>
<th>□ Repeat credit (cumulative maximum ______ hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Increase credit (former credit _______ )</td>
<td>□ Lecture-lab ratio (former ratio ________ )</td>
</tr>
<tr>
<td>□ Number (former number _______ )</td>
<td>□ Prefix (former prefix ________ )</td>
</tr>
<tr>
<td>□ Cross-listing (between WSU departments)</td>
<td>□ Cooperative listing (UI prefix and number ________ )</td>
</tr>
<tr>
<td>(Must have both departmental signatures)</td>
<td>taught by: WSU □ UI □ jointly taught □</td>
</tr>
<tr>
<td>REMOVE CROSS-LISTING</td>
<td>S, F grading</td>
</tr>
<tr>
<td>□ Conjoint listing (400/500)</td>
<td></td>
</tr>
</tbody>
</table>

Request to meet Writing in the Major [M] requirement (Must have All-University Writing Committee Approval)

Request to meet GER in _______ (Must have GenEd Committee Approval)  □ Fulfills GER lab (L) requirement

Professional course (Pharmacy & Vet Med only)  □ Graduate credit (professional programs only)

☑ Other (please list: request) Remove cross-listing

<table>
<thead>
<tr>
<th>515</th>
<th>Seminar in Molecular Plant Sciences</th>
</tr>
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<tbody>
<tr>
<td>515</td>
<td></td>
</tr>
<tr>
<td>1 1</td>
<td>title</td>
</tr>
<tr>
<td>credit</td>
<td>lecture hrs</td>
</tr>
<tr>
<td>prerequisite</td>
<td></td>
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</tbody>
</table>

Description (20 words or less)  A cross-discipline seminar including botany, crop, and soil sciences, horticulture, plant pathology, and molecular plant sciences

Instructor: Michael Neff  Phone number: 335-7705  Email: mneff@wsu.edu
Contact: Brinda Sheyty  Phone number: 335-1716  Email: bsheyty@wsu.edu

Campus Zip Code: __________

- Please attach rationale for your request, a current and complete syllabus, and explain how this impacts other units in Pullman and other branches (if applicable).
- Secure all required signatures and provide 10 copies to the Registrar’s Office.

Chair:  S/19/11  Dean:  L/C/11  General Education:  1/19/11

Chair (if crosslisted/interdisciplinary)*  Dean (if crosslisted/interdisciplinary) *  Graduate Studies:  1/19/11

All-University Writing:  1/19/11  Academic Affairs:  1/19/11  Senate:  1/19/11

*If the proposed change impacts or involves collaboration with other units, use the additional signature lines provided for each impacted unit and college.
Washington State University
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Future Effective Date: Fall 2011
(effective date cannot be retroactive)
☐ New course ☐ Temporary course ☐ Drop service course
☐ There is a course fee associated with this course (see instructions)

☐ Variable credit
☐ Increase credit (former credit ________)
☐ Number (former number ________)
☐ Crosslisting (between WSU departments)
  (Must have both departmental signatures)
☐ Conjoint listing (400/500)
☐ Request to meet Writing in the Major [M] requirement (Must have All-University Writing Committee Approval)
☐ Request to meet GER in ________ (Must have GenEd Committee Approval)
☐ Professional course (Pharmacy & Vet Med only)
☐ Graduate credit (professional programs only)
☐ Other (please list request) Request change from graded credit to S, F grading

MPS course prefix 570 course no. Advanced Topics in Molecular Plant Sciences title

<table>
<thead>
<tr>
<th>credit</th>
<th>lecture hrs</th>
<th>lab hrs</th>
<th>studio hrs</th>
<th>prerequisite</th>
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<tbody>
<tr>
<td></td>
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</tbody>
</table>

Description (20 words or less) Journal Club course; oral presentation of current research papers

Instructor: Michael Neff Phone number: 395.7705 Email: mneff@wsu.edu
Contact: Brinda Shetty Phone number: 395.7716 Email: bshetty@wsu.edu
Campus Zip Code: 1030

- Please attach rationale for your request, a current and complete syllabus, and explain how this impacts other units in Pullman and other branches (if applicable).
- Secure all required signatures and provide 10 copies to the Registrar’s Office.

Chair/date
Dean/date
General Education Com/date
Chair (if crosslisted/interdisciplinary)*
Dean (if crosslisted/interdisciplinary)*
Graduate Studies Com/date

All-University Writing Com/date
Academic Affairs Com/date
Senate/date

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Washington State University
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<th>Field</th>
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<tbody>
<tr>
<td>Future Effective Date</td>
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</tr>
<tr>
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- Variable credit | | |
- Increase credit (former credit) | | |
- Number (former number) | | |
- Crosslisting (between WSU departments) | | |
- Conjoint listing (400/500) | | |
- Request to meet Writing in the Major [M] requirement | | |
- Request to meet GER in | | |
- Professional course | | |
- Other (please list request) | Request to change from graded credit to S,F grading |

- MPS course prefix | 571 |
- Research Proposal course no. |
- Proposal title |

<table>
<thead>
<tr>
<th>Credit</th>
<th>Lecture Hrs</th>
<th>Lab Hrs</th>
<th>Studio Hrs</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>Per Week</td>
<td>Per Week</td>
<td>Per Week</td>
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</tr>
</tbody>
</table>

Description (20 words or less) |

Instructor: Michael Neff Phone number: 335-7705 Email: mneff@wsu.edu
Contact: Brinda Shetty Phone number: 335-7116 Email: bshetty@wsu.edu
Campus Zip Code: |

- Please attach rationale for your request, a current and complete syllabus, and explain how this impacts other units in Pullman and other branches (if applicable).
- Secure all required signatures and provide 10 copies to the Registrar’s Office.

Chair/Date: 5/19/11
Dean/Date: |

General Education Com/Date: |

Chair (if crosslisted/interdisciplinary)*: |
Dean (if crosslisted/interdisciplinary) *: |
Graduate Studies Com/Date: |

All-University Writing Com/Date: |
Academic Affairs Com/Date: |
Senate/Date: |

*If the proposed change impacts or involves collaboration with other units, use the additional signature lines provided for each impacted unit and college.
Rationale for course change requests:

The Molecular Plant Sciences Program recently submitted a major curricular change which was approved by the Faculty Senate in April 2011. The new requirements included changing three courses from graded course credit to S,F grading (see curriculum below). The paperwork required to make this change was not included in the original submission.

Attached please find the Major Curricular Change Forms for MPS 515 – Seminar in Molecular Plant Sciences, MPS 570 – Advanced Topics in Molecular Plant Sciences and MPS 571 – Research Proposal.

The revised requirements go into effect Fall 2011. We request that the change to S,F grading for the courses listed also take effect this fall, if possible. Please let us know if there is anything we can do to expedite the process by contacting Brinda Shetty at bshetty@wsu.edu or 335-1716.

GRADUATE PROGRAM IN MOLECULAR PLANT SCIENCES
PH.D. GRADUATE PROGRAM COURSE REQUIREMENTS

Graduate School course requirements for a Doctoral Degree:

- 72 hours minimum total credits
- 15 hours minimum graded course work
- 20 hours minimum 800-level research credits
- Audited courses cannot be applied

Molecular Plant Sciences graded course work requirements for a Doctoral Degree:

Required (Pass/Fail):

MPS 570 MPS Journal Club (taken twice) 2
MPS 571 Research Proposal 2
MPS 515 MPS Seminar 1

Graded Course Work (15 credit minimum of 500-level coursework)

1. MPS 525 Plant Molecular Genetics 3

2. Two Courses (minimum) from:
   - Biol 513 Plant Metabolism 3
   - Biol 519 Introduction to Population Genetics 3
   - Biol 531 Principles of Systematic Biology (phylogenetic methods) 3
   - Biol 537 Plant Cell Biology 3
   - CropS 505 Advanced Classical and Molecular Breeding 3
   - MPS 587 Advanced Topics in Plant Biochemistry 3

3. Six credits (minimum) from:
<table>
<thead>
<tr>
<th>Biochemistry/Biophysics/Chemistry</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Chem 531</td>
<td>Advanced Physical Chemistry I</td>
</tr>
<tr>
<td>MBioS 465</td>
<td>Principles of Biophysical Chemistry</td>
</tr>
<tr>
<td>MBioS 578</td>
<td>Bioinformatics</td>
</tr>
<tr>
<td>Phys 566</td>
<td>Biological Physics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plant Physiology/Development/Structure-function</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Biol 504</td>
<td>Experimental Methods in Plant Physiology</td>
</tr>
<tr>
<td>Crops 508</td>
<td>Advanced Crop Physiology</td>
</tr>
<tr>
<td>Hort 516</td>
<td>Advanced Horticultural Crop Physiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plant biology/Environment</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Biol 509</td>
<td>Plant Anatomy</td>
</tr>
<tr>
<td>Biol 512</td>
<td>Molecular Mechanisms of Plant Development</td>
</tr>
<tr>
<td>Biol 517</td>
<td>Stress Physiology of Plants</td>
</tr>
<tr>
<td>Biol 540</td>
<td>Stable Isotope Theory and Methods</td>
</tr>
<tr>
<td>Biol 560</td>
<td>Plant Ecophysiology</td>
</tr>
<tr>
<td>Biol 569</td>
<td>Ecosystem Biology and Global Change</td>
</tr>
<tr>
<td>CropS 411</td>
<td>Crop Environment Interactions</td>
</tr>
<tr>
<td>CropS 513</td>
<td>Biology of Weeds</td>
</tr>
<tr>
<td>Crops 539</td>
<td>Herbicide Fate and Mode of Action</td>
</tr>
<tr>
<td>PI P 513</td>
<td>Plant Nematology</td>
</tr>
<tr>
<td>Hort 503</td>
<td>Advance Topics in Horticulture</td>
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<tr>
<td>Hort 518</td>
<td>Post-Harvest Biology and Technology</td>
</tr>
<tr>
<td>Hort 533</td>
<td>Plant Tissue Culture Techniques</td>
</tr>
<tr>
<td>Hort 590</td>
<td>Potato Science</td>
</tr>
<tr>
<td>PI P 511</td>
<td>Viruses and Virus Diseases of Plants</td>
</tr>
<tr>
<td>PI P 514</td>
<td>Phytophthora</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Genetics/Cell Biology</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Biol 521</td>
<td>Quantitative Genetics</td>
</tr>
<tr>
<td>CropS 503</td>
<td>Advanced Cropping Systems</td>
</tr>
<tr>
<td>CropS 504</td>
<td>Plant Transmission Genetics</td>
</tr>
<tr>
<td>Hort ?</td>
<td>DNA Informed Plant Breeding</td>
</tr>
<tr>
<td>E Mic 586</td>
<td>Special Projects in Electron Microscopy</td>
</tr>
<tr>
<td>MBioS 426</td>
<td>Microbial Genetics</td>
</tr>
<tr>
<td>PI P 535</td>
<td>Molecular Genetics of Plant and Pathogen Interactions</td>
</tr>
</tbody>
</table>

Coursework options need to be discussed with the graduate student’s committee and will depend on the student’s interest/research areas. It is expected to include additional classes depending on the individual student’s needs.
Hi Scot, Marc and Lisa,

Please find attached the syllabus for MPS 515, item #139.

Charlotte
Class time: Wednesdays, 12:10-1:00 pm, 17 Webster or as announced

Credits: 1

Prerequisites: None

Instructor: Dr. Patricia (Pat) Okubara, Department of Plant Pathology, 367A Johnson Hall, telephone 335-7824, pokubara@wsu.edu

Office hours: By appointment, 333 Johnson.

Course objectives and outcomes: The goal of this course is to provide you with the opportunity to organize and deliver your research findings to an audience. You will gain a working knowledge of how to assemble a presentation using Powerpoint or similar software, develop or improve your speaking skills, and gain experience in handling questions in a friendly and professional manner. You will also receive feedback on your seminar in the form of written evaluations from audience members.

Grading: Satisfactory/Fail (S/F), to be determined by your advisor. The course instructor will substitute if your advisor is unable to attend.

Expectations and grading criteria: Your seminar will be evaluated on overall organization, presentation (speaking skills) and handling of questions. Each element below is rated 1 or 2 points (total of 12 points). A satisfactory (S) = 9 points or more.

2 pts Adequate introduction/background
2 pts Adequate statement of your research hypothesis or research problem
2 pts Adequate explanation of information in the slides
2 pts Clarity and readability of slide content
1 pt Eye contact with audience
1 pt Volume of delivery (could everyone hear you?)
1 pt Pace of the talk (talking too fast is common)
1 pt Did you address the question being asked?

Take a minute to fill out the evaluation form; the speaker will benefit from your constructive feedback.

Attendance: Attendance at and participation in all seminars is expected. The success of the seminar series depends upon your attendance. Exceptions will be made for illness, personal and/or family crises, mandated court appearances or university approved events, as long as such absences are not excessive.

WSU's Academic Integrity Statement

As an institution of higher education, Washington State University is committed to principles of truth and academic honesty. As a member of the University community, you share the responsibility for maintaining and supporting these principles, and assume an obligation to pursue academic endeavors in a manner consistent with the standards of academic integrity.
adopted by the University. To maintain the academic integrity of the community, the University does not tolerate acts of academic dishonesty including any forms of cheating, plagiarism, or fabrication. Washington State University reserves the right and the power to discipline or to exclude students who engage in academic dishonesty. Academic Integrity Statement and link to WSU’s policy: http://academicintegrity.wsu.edu/Default.asp.

Students with disabilities: Reasonable accommodations are available for students with a documented disability. If you have a disability and may need accommodations to fully participate in this class, please visit the Disability Resource Center (DRC). All accommodations MUST be approved through the DRC (Washington Building, Room 217). Please stop by or call 509-335-3417 to make an appointment with a disability specialist. For more details, see http://accesscenter.wsu.edu/default.asp?PageID=5407.

Campus safety: The Campus Safety Plan, which can be found at http://safetyplan.wsu.edu, contains a comprehensive listing of University policies, procedures, statistics, and information relating to campus safety, emergency management, and the health and welfare of the campus community. All faculty, staff, and students are encouraged to visit this web site as well as the University emergency management web site at http://oem.wsu.edu/Emergencies to become familiar with the campus safety and emergency information provided. The WSU Safety Statement is available at http://provost.wsu.edu/safety.html.
Hi all,

I just got the MPS 570 syllabus. I will bring a hard copy to our meeting today.

Charlotte
Course Number: MPS 570

Course Title: Molecular Plant Sciences Special Topics

Course Description: Weekly small group discussion of information in the current plant literature related to a specific topic in molecular plant sciences.

Department: Molecular Plant Sciences

Semester: Spring, fall yearly.

Course Classification: Graduate

Course Credits: 4

Instructor(s): Rotating

Course Objectives:
- To improve professional communication skills related to case presentation and discussion with colleagues.
- To develop skills in interpretation of primary literature as well as review articles in molecular plant sciences.
- To improve in-depth understanding of specific topics in plant science.

Textbooks and References: No required texts. A variety of texts are recommended as supplementary reference material for discussion.

Course Format / Teaching Methods: Each student is required to read one or more pre-assigned journal articles prior to each class. Students will be assigned weeks to lead the discussion regarding those articles as they relate to plant science.

Criteria for Student Evaluation: Students will be evaluated on the basis of the quality of the preparation of material (40%), quality of oral presentations (40%) and class participation (20%).

Grading Scale: Satisfactory (>72.9%) / Fail (<73%)

Audio or Video Recording of Course Materials: Not available.

Primary Topics: Current topics of relevance to molecular plant sciences.

Attendance Policy: Students are expected to attend class regularly and be an ACTIVE participant. Only excused absence will be acceptable; these include illnesses, University-sanctioned activities, and participation in conferences. Student who has an unexcused absence will forfeit the class participation points.

Academic Policies: Any student found giving or receiving aid during an examination or assigned exercise will receive an F for the course. A recommendation will then be made to the Associate Dean of Students for appropriate disciplinary action. Attendance at all class sessions is required unless prior approval is obtained from the instructor or course coordinator.

Students with Disabilities: Reasonable accommodations are available for students with a documented disability. Please visit the Disability Resource Center (DRC) during the first two weeks of every semester to seek information or to qualify for accommodations. All accommodations MUST be approved through the Access Center (Washington Building 217). To make an appointment with a counselor, please call (509) 335-3417.

WSU Safety: Please familiarize yourself with information regarding campus emergencies/school closings by visiting this website: http://oem.wsu.edu/emergencies.