

GENERAL POLICY REPORT #22

December 6, 2002

MEMBERS OF THE UNIVERSITY OF IDAHO FACULTY

The items listed below have been approved by Faculty Council and will be considered to have the necessary faculty approval unless a petition requesting further consideration of these items is signed by five faculty members and submitted to the chair of the Faculty Council (Thomas Bitterwolf – Campus ZIP 2343) within 14 calendar days after the date of circulation – December 22, 2002.

If no petition is received within those 14 days, the report will be submitted to the president for approval and transmittal to the regents, if regents' action is required.

If a petition is received, the report will be referred to the Faculty Council. On items referred to it, the council may: (1) affirm the action and report it to a meeting of the university faculty, (2) amend the action and report it to a meeting of the university faculty, or (3) rescind the action.

The following items are presented in the following policy report:

1. **Changes to *Faculty-Staff Handbook* Section 1570, Secretary of the Faculty – Revision of Duties and Selection Process**
2. **Proposed B.S. Degree in Agricultural Systems Management**
3. **Proposal for Honors at Graduation in December 2002 and May 2003**
4. **Proposal for a B.S. Degree in Plant Science**
5. **Proposed Minor in Arboriculture and Urban Forestry**
6. **Proposed Changes to UI Catalog Regulation K**
7. **Proposed Changes to the Name, Function, and Membership of the Budget Liaison Committee**
8. **Proposed Discontinuance of the Scientific Option to the Applied Mathematics B.S. Degree**
9. **Proposed Addition of a Math Modeling Option to the Applied Mathematics B.S. Degree**

FSH Section 1570, Secretary of the Faculty

A. APPOINTMENT.

A-1. The secretary of the faculty (aka faculty secretary) is appointed on a fiscal-year basis by the president from among the tenured members of the university faculty or faculty emeriti [see 1520 II-1 and III-2]. The president appoints the secretary of the faculty from a list of candidates recommended by a nominating committee and ratified by the Faculty Council [see C below].

A-2. Release time for the faculty secretary will be at least one-half time and may be greater, at the discretion of the president, depending on the circumstances, the needs of the Faculty Council, and the needs of the faculty member appointed.

A-3. The term of service is three years and is renewable. after a second term only after a full search as described in section C, ~~normally not more than once.~~

A-4. The faculty secretary serves at the pleasure of the president and reports to the chair of the Faculty Council and to the provost. The provost, in consultation with the chair and vice chair of the Faculty Council, conducts an annual review of the faculty secretary. Early in the third year of service, an in-depth evaluation is conducted by the provost and the chair of the Faculty Council. Included are evaluations by the council as a whole, by other appropriate administrators and faculty, and by the incumbent. A confidential evaluation report is given to the president for review and discussion with the incumbent by the first week in October ~~+~~ in the third year of service.

B. RESPONSIBILITIES AND DUTIES. ~~This~~ The officer Secretary of the Faculty shall:

B-1. Prepare, ~~under with~~ the president's ~~direction~~ approval, the agenda and supporting documents for each meeting of the university faculty; record and publish the minutes of meetings; forward reports of actions of the university faculty to the president ~~and, on approval by the president, prepare reports for regents' action~~; provide the registrar, ~~and~~ the Department of Special Collections and Archives in the University Library, and other interested parties with copies of the minutes of the university faculty meetings; and serve as a channel of communication to the members of the university faculty concerning administrative and regents' actions.

B-2. Serve as webmaster and/or supervisor for the Faculty Council and Faculty Secretary websites. Oversee the placement of material on those websites.

B-3. Oversee the placement of Faculty-Staff Handbook sections and keywords on the UI policy and regulations website.

~~B-24.~~ Serve as an ex-officio nonvoting member of the Faculty Council and, as his or her primary responsibility, provide services on request for the Faculty Council and other faculty bodies.

~~B-35.~~ Serve as secretary to the Committee on Committees. Oversee the process for solicitation of faculty members to serve on university-wide standing committees and the publication of committee function statements and membership lists.

~~B-46.~~ Cooperate with UI officials to ensure the accuracy of all published academic information ~~published in UI catalogs, bulletins, brochures, and leaflets.~~

~~B-57.~~ ~~Assist faculty members~~ ~~Oversee in~~ the preparation and ~~typing~~ data processing of faculty curricula vitae by personnel in the Faculty Secretary's Office using ~~a~~ the official format ~~supplied approved~~ by the provost. Oversee distribution of curricula vitae to the faculty member, departmental administrator, dean, provost, and University Communications.

B-68. Serve as the editor of the Faculty-Staff Handbook. Serve as a major resource to the faculty and administrators with respect to the contents of the ~~Faculty-Staff H~~ handbook and participate in keeping it up-to-date. Serve as a liaison with the President's Office to ensure proper maintenance and ~~distribution-publication~~ of the handbook. Inform Faculty Council of any additions or changes to the handbook.

B-9. Prepare for publication General Policy Reports for distribution to the general faculty for review and approval.

B-710. Serve as a source of information for UI personnel and students concerning policies, regulations, and procedures.

B-811. Perform such other duties related to faculty governance as may be assigned by the president or the president's designee or the university faculty.-

C. NOMINATION PROCESS FOR SECRETARY OF THE FACULTY.

C-1. The chair of the Faculty Council appoints a five-member nominating committee, with the concurrence of the Faculty Council. The committee is composed of the provost and four other members of the council.

C-2. The nomination committee should seek out and give preference to nominees who have the following qualifications; (1) attained the rank of full professor or are faculty emeriti, (2) print and electronic publication editing skills, (3) supervisory experience, ~~and~~(4) ~~widespread- have had extensive experience in university service, and -in various faculty governance positions, e.g., faculty council, faculty or administrative committees~~ (5) have a good understanding and commitment to the role and mission of the University of Idaho.

C-2. The committee advertises the position, solicits and accepts applications and nominations, and screens candidates. The committee functions in a confidential manner.

C-3. The committee recommends a list of candidates for ratification by the Faculty Council. The council may meet in executive session to discuss candidates recommended by the nominating committee. The council may not add names to those recommended by the nominating committee but may choose to delete any of the candidates nominated by the committee. ~~If deletion of names by the Faculty Council results in only one nominee, the nominating committee reconvenes to identify other candidates.-~~

C-4. The Faculty Council forwards the name(s) of a nominee(s) ratified by the Faculty Council to the president. The president selects the faculty secretary from that list or requests that a new group of nominees be selected following the procedures outlined in C-1 through C-4.

Before completing this form, refer to the "Board Policy Section III.G. Program Approval and Discontinuance.

1. Briefly describe the nature of the request e.g., is this a new program (degree, program, or certificate) or program component (e.g., new, discontinued, modified, addition to an existing program or option).

This request is to provide 4 emphasis areas within the Agricultural Systems Management (ASM) Program to help meet the diverse career goals of our students. These Emphasis areas will be: Agricultural Information Systems, Water and Waste Management Systems, Agricultural Production Systems, Agricultural Machine Systems. These emphasis areas will allow ASM students to gain an educational background within these emphasis areas that will make them more employable and able to meet the needs of the State and Region.

2. Briefly describe how the institution will ensure the quality of the program (e.g., accreditation, professional societies, licensing boards, etc.).

The Department will seek recognition of the ASM program from ASAE, (American Society of Agricultural Engineers).

3. Duplication--Is this request unique to the system? If not, briefly describe the rationale for the duplication.

The Agricultural Systems Management Program is unique to Idaho and several surrounding states.

4. Succinct statement of need for program or program modification. Include student and state need, demand, and employment potential. Attach a Scope and Sequence, DPTE Form Attachment B, for professional-technical education requests. **(Use additional sheets if necessary.)**

The Departmental Advisory Committee indicated a need to modernize the ASM program based on comments on a recent CSREES review of the Department and current trends in Agriculture. An increasing influx of the Dairy Industry in Idaho and new requirements for water and waste water management has generated a need for individuals trained in water and waste water management. Course work in emphasis area will fulfill the need for qualified water management operators within the agricultural production and processing industries. Computer applications are important to Agriculture yet there are few if any programs in this area where students can get training in computer applications in concert with agriculture. The addition of specified courses in this area will be unique and should be attractive to both students and employers. Currently students who wish to gain employment with agricultural equipment manufacturers in our program may not receive an educational background to be attractive to machine companies, these curriculum changes should make these individuals more employable.

5. Describe how this request is consistent with the State Board of Education's policy or role and mission of the institution. (i.e., centrality).

The College of Agricultural and Life Sciences at the University of Idaho is the only public educational institution in Idaho to offer academic instruction leading to a 4 year degree in Agricultural Systems Management. By offering these emphasis areas, we are providing more flexibility so that our students receive more depth in selected areas of the Agricultural Systems Management Program. These changes should make the program more viable and more attractive to potential students within the Pacific Northwest region. These changes will also better meet the educational needs of the agricultural industry where these students are employed.

Select one of the following options

I. Agricultural Information Systems

Required course work includes the university requirements (see regulation j-3)
CS 112 Introduction to Problem Solving and Programming (3 cr.)
CS 113 Program Design and Algorithms (3 cr.)
BAE 143 Engineering Problem Solving (2 cr.)
Bus 350 Management Information Systems (3 cr.)
ITED 328 Computer Operating Systems for Technology (4 cr.)
Geog 385 GIS Primer (3 cr.)
Math 160 or Math 170 Survey of Calculus (4 cr.)
Agriculture Electives (See list in Dept. Office) (9 cr.)
Undesignated Elective (See list in Dept. Office) (3 cr.)
Advisor approved electives to total 128 for the degree (See list in Dept. Office)

II. Water and Waste Management Systems

Required course work includes the university requirements (see regulation j-3)
Math 160 or 170 Analytical Geom/Calc I (4cr.)
ASM 320 Water & Waste Water Operation (3 cr.)
BAE 351 Hydrology (3 cr.)
BAE 356 Hydrologic Measurement Techniques (1 cr.)
Chem 111 Prin of Chemistry 1 (4 cr.)
EnvS 404 Drinking Water Quality (3 cr.)
Agriculture Electives (See list in Dept. Office) (9 cr.)
Advisor approved electives to total 128 for the degree (See list in Dept. Office)

III. Ag Production Management

Required course work includes the university requirements (see regulation j-3)
Math 143 or Math 160 Pre Calc Algebra/Analytic Geometry (3 crs.) or Survey of Calculus (4 crs.)
ASM 304 Agricultural Fluid Power (2 cr.)
FORP 230-231 or CE 218 Forest Land Measurement or Elementary Surveying (2 cr.)
Structures Elective (See list in Dept. Office) (3 cr.)
Agriculture and Technical Electives (See list in Dept. Office) (14 crs.)
Life Science Electives (See list in Dept. Office) (3 cr.)
Business Electives (See list in Dept. Office) (3 cr.)
Advisor approved electives to total 128 for the degree (See list in Dept. Office)

IV. Agricultural Machine Systems

Required course work includes the university requirements (see regulation j-3)
Geog 385 GIS Primer (3 cr.)
ASM 210 Small Engines (3 cr.)
ASM 304 Fluid Power Systems (2 cr.)
ASM 412 Agricultural Safety and Health (2 cr.)
ME 123 Intro to Mech Design (3 cr.)
ME 261 Engineering Materials (3 cr.)
ITED 338 Thermal and fluid Fundamentals for Technology (3 cr.)
ITED 380 Computer Numerical Control Manufacturing (4 cr.)
Math 170 Analytical Geometry and Calculus (4 cr.)
Phys 111 General Physics I (4 cr.)
Agriculture Electives (See list in Dept. Office) (6 cr.)
Undesignated Elective (See list in Dept. Office) (3 cr.)
Advisor approved electives to total 128 for the degree (See list in Dept. Office)

University of Idaho
Office of the Registrar
Proposal for Honors at Graduation in May 2003
Under the New College Structure

OCTOBER 25, 2002

Approved by Associate Deans on October 24, 2002

Following is information on how we have approached the issue of honors at graduation for May 2003 and our proposal for awarding honors under the new college structure.

If we look at the top 10%, 6%, and 3% of students in the new colleges, the GPA cut-offs are as follows. We have calculated University-wide cut-offs to help keep the issues in a larger perspective.

| College | Summa Cum Laude | Magna Cum Laude | Cum Laude |
|-----------------------------------|-----------------|-----------------|-----------|
| Letters, Arts and Social Sciences | 3.95 | 3.88 | 3.79 |
| Former Letters and Science | 3.95 | 3.89 | 3.80 |
| Former Art and Architecture | 3.85 | 3.76 | 3.67 |
| Science | 3.96 | 3.90 | 3.85 |
| Former Mines and Earth Resources | 4.00 | 3.86 | 3.83 |
| Current Engineering | 3.93 | 3.88 | 3.80 |
| University-wide | 3.95 | 3.89 | 3.81 |

This is problematic because it clearly places the former Art and Architecture students at a distinct disadvantage. It also clearly places the former Letters and Science students who have now moved to Science at a distinct disadvantage because the cut-offs are higher. Students who have moved from Mines and Earth Resources to Engineering are not disadvantaged due to the lower existing requirements in Engineering.

There are three options for solving this problem:

- ~~1. Obtain UCC and Faculty Council approval and implement for May 2003 the new Regulation K that is described in the attached document. This change would implement University level honors and would institute a new "with distinction" category of honors.~~
- 2. Approve the chart listed below which essentially takes the minimum requirements from the existing college structure and applies them to May 2003. This lowers the requirements, but ensures that no student will be denied honors that he or she felt confident about under the former college structure. This is a "no harm" solution as well.**
- ~~3. Implement the GPA cut-offs as listed above and begin communicating with students now about the new requirements in effect for May 2003.~~

In order to do no harm to students because of the restructuring that began after the opening of the 2002-2003 academic year, we suggest ~~option 1~~ or option 2.

The college criteria are listed below.

Institution GPA Required for Honors for Graduation in May 2003

| <u>COLLEGE</u> | Summa Cum Laude | Magna Cum Laude | <u>CUM LAUDE</u> |
|-----------------------------------|----------------------------|----------------------------|-------------------------|
| Agricultural and Life Sciences | 3.95 | 3.92 | 3.83 |
| Business and Economics | 3.91 | 3.83 | 3.74 |
| Education | 4.00 | 3.92 | 3.86 |
| Engineering | 3.93 | 3.86 | 3.80 |
| Letters, Arts and Social Sciences | 3.85 | 3.76 | 3.67 |
| Law | 3.61 | 3.45 | 3.35 |
| Natural Resources | 3.87 | 3.76 | 3.65 |
| Science | 3.95 | 3.86 | 3.80 |

Summa cum laude (with highest distinction)*

Magna cum laude (with great distinction)*

Cum laude (with distinction) *

*By accepting the option that we will use the lowest GPA cut-offs for the colleges affected in the restructuring, we have eliminated the possibility of defining the various levels of honors by percentage of the class. The percentages that have defined the levels of honors are not possible in this scenario because the actual percentages vary by college.

IDAHO STATE BOARD OF EDUCATION
ACADEMIC/PROFESSIONAL-TECHNICAL EDUCATION
NOTICE OF INTENT

to initiate a
NEW, EXPANDED, COOPERATIVE, DISCONTINUED, PROGRAM COMPONENT OR OFF-CAMPUS
INSTRUCTIONAL PROGRAM OR ADMINISTRATIVE/RESEARCH UNIT

 University of Idaho
 Institution Submitting Proposal

 College of Agricultural and Life Sciences / Department of Plant, Soil and Entomological Sciences
 Name of College, School, or Division Name of Department(s) or Area(s)

Indicate if this NOI is for an Academic X or Professional-Technical _____ Program

A New, Expanded, Cooperative, Contract, or Off-Campus Instructional Program or Administrative/Research Unit (circle one) leading to:

 B.S. Plant Science
 (degree or certificate)

Proposed Starting Date: _____
 Spring 2003

FOR NEW PROGRAMS ONLY

FOR OTHER ACTIVITY:

 Program (i.e., degree) Title & CIP 2000

- Program Component (major/minor/option/emphasis)
 Modification of B.S. PISc Plant Science Curriculum –
 Convert current majors into options
- Off-Campus Activity/Resident Center
- Administrative/Research Unit
- Addition/Expansion
- Discontinuance/consolidation
- Contract Program

This Notice of Intent has been approved by:

 College Dean (Institution) Date

 State Administrator, SDPTE Date

 Graduate School Dean (as applicable) Date

 Chief Fiscal Officer (Institution) Date

 SBOE/OSBE Approval Date

 Chief Academic Officer (Institution) Date

 President Date

1. Briefly describe the nature of the request e.g., is this a new program (degree, program, or certificate) or program component (e.g., new, discontinued, modified, addition to an existing program or option).

Change the B.S. degree, Plant Science majors from Crop Science, Plant Protection, and Horticulture, to one B.S. Plant Science degree with a major titled “Horticultural and Crop Science.” Available in this new degree would be four options: Horticultural Plant Production, Plant Protection, Crop Management, and Urban Landscape and Turf Management. This change also includes four corresponding minors: Horticulture, Crop Science, Plant Protection, and Arboriculture and Urban Forestry. Please see addendum for specific program requirements.

2. Briefly describe how the institution will ensure the quality of the program (e.g., accreditation, professional societies, licensing boards, etc.).

Regular CSREES Reviews, conducted by review teams for the U.S. Department of Agriculture, as well as Annual Evaluations of Faculty.

3. Duplication--Is this request unique to the system? If not, briefly describe the rationale for the duplication.

Within Idaho, the University of Idaho is the only public educational institution offering a Bachelor of Science degree (4 year program) in Horticultural and Crop Science.

5. Succinct statement of need for program or program modification. Include student and state need, demand, and employment potential. Attach a Scope and Sequence, DPTE Form Attachment B, for professional-technical education requests. (Use additional sheets if necessary.).

This change will allow the Plant Science Program to be more consistent and will require a standard core for all Plant Science students. This change will also make the degree program more efficient and viable, and with the addition of the Urban Landscape and Turf Management option, will allow us to attract additional students. Please see attached addendum for specific program requirements. We expect enrollment to be around 50-75 majors a year. Students that complete this program will be able to find employment in: production or management of horticultural crops, or management and maintenance of urban forests, city parks, or golf courses.

5. Describe how this request is consistent with the State Board of Education's policy or role and mission of the institution. (i.e., centrality).

The College of Agricultural and Life Sciences at the University of Idaho is the only public educational institution in Idaho to offer academic instruction leading to a 4-year (B.S.) degree in horticultural and crop science. These courses are vital for educating our students so that they can become productive citizens contributing to Idaho’s agricultural and rural commerce. By consolidating our degree offerings, we are ensuring that all students receive more rigorous academic instruction, and we are improving the efficiency of our courses and the viability of our degree program. These changes allow the department of Plant, Soil and Entomological Sciences to better meet the educational objectives for new careers in urban and environmental horticulture and crop biotechnology.

Proposed Plant Science Degree Core

| Dept | No. | Title | Min Credits | Max Credits |
|---------|---------------------------|---|-------------|-------------|
| PISc | 102 | Plants in Agriculture | 3 | 3 |
| PISc | 338 | Weed Control | 3 | 3 |
| PISc | 398 or 499 | Internship or Directed Study | 3 | 3 |
| PISc | 400 | Seminar | 1 | 1 |
| PISc | 405 | Plant Pathology | 3 | 3 |
| PISc | 438 | Pesticides in the Environment | 3 | 3 |
| Biol | 112 | Biological Principals & Mechanisms | 4 | 4 |
| Biol | 213 | Biology of Structure & Function | 4 | 4 |
| Biol | 311 | Plant Physiology | 4 | 4 |
| Chem | 101 or 111 | Introduction to Chemistry or Principles of Chemistry | 4 | 4 |
| Chem | 275 & 276 or 277 & 278 | Carbon Compounds & Lab or Organic Chemistry I & Lab | 4 | 4 |
| Comm | 101 | Public Speaking | 2 | 2 |
| Ecology | | Electives | 2 | 3 |
| Engl | 313 or 317 | Business Writing or Tech. Engineering & Report Writing | 3 | 3 |
| Ent | 322 | Economic Entomology | 3 | 4 |
| Gene | 314 | General Genetics | 3 | 3 |
| Math | 143 or 160 | Pre-calculus or Calculus | 3 | 4 |
| MABB | 154 & 155 or 250 | Intro to Biology of Bacteria or General Microbiology | 4 | 5 |
| MABB | 300 or 380 | Survey of Biochemistry or Introductory Biochemistry | 3 | 4 |
| Stats | 251 | Principles of Statistics | 3 | 3 |
| Soil | 205 & 206 | General Soils & General Soils Lab | 4 | 4 |
| Soil | 446 | Soil Fertility | 3 | 3 |
| | | | 69 | 74 |

Plant Protection Option

Plant Science Core Courses (69 – 74 credits)
- see attached list -

Required Courses: (15 - 16 credits)

| | | |
|------|-----|-----------------------|
| PLSc | 407 | Field Crop Production |
| PLSc | 410 | Biology of Weeds |
| Ent | 211 | Insect Biology |

Two of the following courses (5 – 6 credits)

| | | |
|-----|-----|--|
| Ent | 446 | Host Plant Resistance to Insects and Pathogens |
| Ent | 447 | Fundamentals of Biological Control |
| Ent | 491 | Principles of Insect Pest Management |

Specialization Courses 12 – 15 credits

Accounting
Animal and Veterinary Sciences
Agricultural Economics
Biology
Business
Business education
Business law
Chemistry
Computer related courses
Economics
Entomology
Foreign language (4 credit maximum)
Forestry
Landscape architecture
Molecular biology/biochemistry
Physics
Plant science
Range
Soils

NEW: UI Core – General Core Studies – starting in Fall 2003 -

REQUIRED: 18 CREDITS

1. Core Discovery (Core 101 or 102 – at least one course)
2. Humanity/Social Sciences (14 credits) minimum of 6 credits in each
NEW core courses will be added to the curriculum, and ONLY NEW courses will satisfy this requirement
3. International Course(s) – One approved UCGE international course with a contemporary issue or global focus)
4. Cluster Courses – THREE courses chosen from one UCGE approved core cluster. The courses must share a common theme. The three courses must include at least two different disciplines, must include one upper-division course, and can include no more than one 100-level course.
5. Capstone course – may be a requirement. Unsure at this time.
The capstone course will have to be UCGE approved.

Electives to total 128 credits for the degree

Crop Management Option

Plant Science Core Courses (69 – 74 credits)

- see attached list -

Required Courses: (6 credits)

PISc 407 Field Crop Production

Biotechnology course - elective: choose from AVS WS488, Biol 212, Core 201 Biotech/Society, MMBB J450, MMBB J475, MMBB J487, MMBB J488, PISc WS422, PISc 433.

Crops Elective Courses (12 credits)

| | | |
|------|-----|----------------------|
| PISc | 308 | Forages |
| PISc | 360 | World Agriculture |
| PISc | 401 | Crop Physiology |
| PISc | 408 | Cereal Science |
| PISc | 410 | Biology of Weeds |
| PISc | 422 | Plant Reproduction |
| PISc | 433 | Plant Tissue Culture |
| PISc | 469 | Seed Production |
| PISc | 480 | Field Trip |
| PISc | 490 | Potato Science |

Specialization Courses (12 credits)

| | | |
|--------------------------------|-------------------------------------|----------------------|
| Accounting | Chemistry | Molecular |
| Animal and Veterinary Sciences | Computer related courses | biology/biochemistry |
| Agricultural Economics | Economics | Physics |
| Biology | Entomology | Plant science |
| Business | Foreign language (4 credit maximum) | Range |
| Business education | Forestry | Soils |
| Business law | Landscape architecture | |

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3. International Course(s) – One approved UCGE international course with a contemporary issue or global focus)
4. Cluster Courses – THREE courses chosen from one UCGE approved core cluster. The courses must share a common theme. The three courses must include at least two different disciplines, must include one upper-division course, and can include no more than one 100-level course.
5. Capstone course – may be a requirement. Unsure at this time.
The capstone course will have to be UCGE approved.

Electives to total 128 credits for the degree

Urban Landscape and Turf Management Option

Plant Science Core Courses (69 – 74 credits)

- see attached list -

Required Courses: (9 credits)

| | | |
|------|-----|--------------------------------|
| PISc | 201 | Principles of Horticulture |
| PISc | 302 | Sport and Golf Turf Management |
| PISc | 470 | Arboriculture |

Urban Landscape and Turf Management Elective Courses (9 credits)

| | | |
|------|-----|--|
| PISc | 202 | Plant Propagation |
| PISc | 310 | Pomology |
| PISc | 311 | Pomology lab |
| PISc | 313 | Viticulture and Small Fruits |
| PISc | 320 | Olericulture – Commercial Vegetable Crops |
| PISc | 321 | Olericulture Lab – Commercial Vegetable Crops |
| PISc | 334 | Controlled Environments for Horticultural Plant Production |
| PISc | 340 | Nursery Management |
| PISc | 341 | Nursery Management Lab |
| PISc | 418 | Post-harvest Biology |
| PISc | 430 | Ornamental Plant Production I |
| PISc | 431 | Ornamental Plant Production II |
| PISc | 433 | Plant Tissue Culture |
| PISc | 464 | Landscape Maintenance |
| PISc | 480 | Field Trip |
| PISc | 499 | Directed Study |

Specialization Courses (12 credits)

| | | |
|--------------------------------|-------------------------------------|----------------------|
| Accounting | Chemistry | Molecular |
| Animal and Veterinary Sciences | Computer related courses | biology/biochemistry |
| Agricultural Economics | Economics | Physics |
| Biology | Entomology | Plant science |
| Business | Foreign language (4 credit maximum) | Range |
| Business education | Forestry | Soils |
| Business law | Landscape architecture | |

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1. Core Discovery (Core 101 or 102 – at least one course)
2. Humanity/Social Sciences (14 credits) minimum of 6 credits in each

NEW core courses will be added to the curriculum, and ONLY NEW courses will satisfy this requirement
3. International Course(s) – One approved UCGE international course with a contemporary issue or global focus)
4. Cluster Courses – THREE courses chosen from one UCGE approved core cluster. The courses must share a common theme. The three courses must include at least two different disciplines, must include one upper-division course, and can include no more than one 100-level course.
5. Capstone course – may be a requirement. Unsure at this time.
The capstone course will have to be UCGE approved.

Electives to total 128 credits for the degree

Horticultural Plant Production Option

Plant Science Core Courses (69 – 74 credits)

- see attached list -

Required Courses: (9 credits)

| | | |
|--------|-----|--|
| PISc | 201 | Principles of Horticulture |
| PISc | 202 | Plant Propagation |
| PISc | 334 | Controlled Environments for Horticultural Plant Production |
| - OR - | | |
| PISc | 340 | Nursery Management |

Horticultural Plant Production Elective Courses (9 credits)

Biotechnology elective: choose from AVS WS488, Biol 212, Core 201 Biotech/Society, MMBB J450, MMBB J475, MMBB J487, MMBB J488, PISc WS422, PISc 433.

| | | |
|------|-----|--|
| PISc | 302 | Sport and Golf Turf Management |
| PISc | 310 | Pomology |
| PISc | 311 | Pomology lab |
| PISc | 313 | Viticulture and Small Fruits |
| PISc | 320 | Olericulture – Commercial Vegetable Crops |
| PISc | 321 | Olericulture Lab – Commercial Vegetable Crops |
| PISc | 334 | Controlled Environments for Horticultural Plant Production |
| PISc | 340 | Nursery Management |
| PISc | 341 | Nursery Management Lab |
| PISc | 418 | Post-harvest Biology |
| PISc | 430 | Ornamental Plant Production I |
| PISc | 431 | Ornamental Plant Production II |
| PISc | 433 | Plant Tissue Culture |
| PISc | 464 | Landscape Maintenance |
| PISc | 470 | Arboriculture |
| PISc | 480 | Field Trip |
| PISc | 499 | Directed Study |

Specialization Courses (12 credits)

| | | |
|--------------------------------|-----------------------------|--------------------------------|
| Accounting | Business law | Landscape architecture |
| Animal and Veterinary Sciences | Chemistry | Molecular biology/biochemistry |
| Agricultural Economics | Computer related courses | Physics |
| Biology | Economics | Plant science |
| Business | Entomology | Range |
| Business education | Foreign language (4 cr max) | Soils |
| | Forestry | |

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REQUIRED: 18 CREDITS

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5. Capstone course – may be a requirement. Unsure at this time.
The capstone course will have to be UCGE approved.

Electives to total 128 credits for the degree

Proposed Plant Science Minors

Arboriculture & Urban forestry Minor

Required:

For 408 Urban Forestry (3 cr)

Plant physiology course (3 cr)

PISc 464 Landscape Maintenance (3 cr)

PISc 470 Arboriculture (3 cr)

RRT 494 Natural Resources Communications (3 cr)

Larc 288 Plant Materials I (3 cr)

OR For 320 Dendrology (3 cr)

One of the following courses (3 cr)

For 466 Diseases and Insects of Woody Plants

PISc 201 Principles of Horticulture

Soil 205 General Soils

Crop Science Minor

Required courses (18 credits):

Ent 322 – Economic Entomology (3 cr)

PISc 102 – The Science of Plants in Agriculture (3 cr)

PISc 338 – Weed Control (3 cr)

PISc 405 – Plant Pathology (3 cr)

PISc 407 – Field Crop Production (3 cr)

Soils 205 – General Soils (3 cr)

Two of the following courses (6 credits):

PIScWS360 – World Agricultural Systems

PISc 408 – Cereal Science

PISc 408 – Potato Science

PISc 438 – Pesticides in the environment

PISc 446 – Plant Breeding

PIScWS469 – Seed Production

Soils 446 – Soil Fertility

Horticulture Minor

Required:

PISc 102 The Science of Plants in Agriculture (3 cr)

PISc 201 Principles of Horticulture (3 cr)

Three of the following courses (9 cr)

PISc 202 Plant Propagation

PISc 302 Sport and Golf Turf Management

PISc 340 Nursery Management

PISc 433 Plant Tissue Culture

PISc 464 Landscape Maintenance

PISc 470 Arboriculture

Two of the following courses (6 cr)

Larc 288 Plant Materials I

PISc 310 Pomology

PISc 320 Olericulture - Commercial Vegetable Crops

PISc 334 Controlled Environments for Horticultural Production

Soil 205 General Soils

Plant Protection Minor

Ent 211 Insect Biology (4 cr)

Ent 322 Economic Entomology (3 cr)

PISc 338 Weed Control (3 cr)

PISc 405 Plant Pathology (3 cr)

Courses selected from the following (5-6 cr)

Ent 446 Host Plant Resistance

Ent 447 Fundamentals of Biological Control

Ent 472 Aquatic Entomology

Ent 491 Principles of Insect Pest Management

PISc 410 Biology of Weeds

PISc 438 Pesticides in the Environment

Program/Component Title: A Minor in Arboriculture and Urban offered jointly in the College of Agriculture and Life Sciences and the College of Natural Resources.

Program/Component Duration: Continuing

Program/Component Description (be brief): The Arboriculture & Urban Forestry Minor program will be available to all students that want to focus their course options to study the care and maintenance of trees in urban landscapes and community forests. The package of courses will prepare students for entry-level positions in commercial, municipal, or utility arboriculture and/or community and urban forestry positions within local, state and federal agencies and organizations. Both arboriculture and urban forestry are large growth areas in the Northwestern United States and nationally. Placement of graduates is expected to be immediate. We predict student numbers for this Minor will average between 5-10 for the initial development, but we foresee larger numbers as the program develops a regional and national reputation.

Succinct statement of need for program or program modification. Include student need, demand and employment potential. (Use additional sheets if necessary.): The addition of the Arboriculture and Urban Forestry Minor to the undergraduate degree programs in both colleges will provide students with a coherent knowledge base for careers in commercial and municipal tree care and community forestry. Urban forestry and arboricultural industries are a growth leader in employment opportunities throughout the North West and the United States (ISA 1999). The University of Idaho will be the only university in the nation to offer a minor in Arboriculture and Urban Forestry. This minor will serve a diverse group of students with common interests, and help move the University of Idaho to the forefront as the educational institution of choice for studying the ecology, biology and management of urban landscapes and ecosystems.

Similar Programs (in-state, regional, etc.): None. The University of Idaho will be the only university in the nation to offer a minor in Arboriculture and Urban Forestry. Some courses in Horticulture and Forestry are provided at Washington State University, Boise State University, College of Southern Idaho and BYU-Idaho, but the University of Idaho is unique in its ability to offer the proposed package of courses with a resultant Minor.

Faculty/Staff/Space Needs/Capital Outlay. (Use additional sheets if necessary.): None. Faculty and coursework are already in place. Advisors in the Minor will be appointed in either or both cooperating colleges.

| Estimated Fiscal Impact: | FY <u>03</u> | FY <u>04</u> | FY <u>05</u> |
|----------------------------------|---------------------|---------------------|---------------------|
| A. <u>Source of Funds</u> | | | |
| 1. Appropriated-reallocation | <u> 0</u> | <u> 0</u> | <u> 0</u> |
| 2. Appropriated-new | | <u> 0</u> | <u> 0</u> |
| <u> 0</u> | | | |
| 3. Federal | <u> 0</u> | <u> 0</u> | <u> 0</u> |
| 4. Other: _____ | _____ | _____ | _____ |
| B. <u>Nature of Funds</u> | | | |
| 1. Recurring* | | <u> 0</u> | <u> 0</u> |
| <u> 0</u> | | | |
| 2. Non-recurring** | | <u> 0</u> | <u> 0</u> |
| <u> 0</u> | | | |

**University of Idaho
Office of the Registrar
Proposed Changes to Regulations K**

OCTOBER 25, 2002

Approved by Associate Deans on October 24, 2002

Rationale: The proposed rewording of Regulation K is intended to address the following issues. By setting University-level standards for honors at graduation, we are providing for students a fixed target that they can be aware of early in their academic careers. As it stands now, due to the five-year averages used to determine the GPA cut-offs, students are not aware of the honors criteria until their final year. The recent restructuring of colleges prompted us to review the policy to determine workable and appropriate procedures for graduates in Spring 2003. From that review, and the research we did in the process, we determined that perhaps the policy should be reviewed in a broader way for implementation beyond Spring 2003.

K – Academic Honors [Current Wording]

K-1. Graduation with Honors. Candidates for baccalaureate degrees are graduated with honors if they satisfy ONE of the following conditions.

- (1) Their cumulative UI grade-point averages are as specified in K-1-a, K-1-b, or K-1-c and they have earned at least 56 credits in UI courses OR
- (2) Both their cumulative UI grade-point averages AND their grade-point average from all sources (the overall GPA on Banner) are as specified in K-1-a, K-1-b, or K-1-c, and they have earned at least 32 credits in UI courses.

No credits earned through correspondence study, bypassed courses, credit by examination, College Level Examination Program, experiential learning, or technical competence may be counted among these 56 or 32 credits. Candidates for the degree of Juris Doctor are graduated with honors under the same conditions, except the grade-point average considered is based exclusively on the student's record in the College of Law. Honors are not awarded with degrees earned through the College of Graduate Studies.

K-1-a. Candidates whose grade-point averages ~~would place them within the top 3 percent of graduates from their respective colleges over the preceding five years~~ are graduated *summa cum laude* (with highest distinction).

K-1-b. Candidates whose grade-point averages ~~would place them within the top 6 percent (but below the top 3 percent) of graduates from their respective colleges over the preceding five years~~ are graduated *magna cum laude* (with great distinction).

K-1-c. Candidates whose grade-point averages ~~would place them within the top 10 percent (but below the top 6 percent) of graduates from their respective colleges over the preceding five years~~ are graduated *cum laude* (with distinction).

K – Academic Honors (Proposed Wording)

K-1. Graduation with Honors. Candidates for baccalaureate degrees are graduated with honors if they satisfy ONE of the following conditions. Note: Graduation with honors is determined at the point in time when the degree is posted to the student's academic record based upon the student's grade point average at that time. ~~Grade corrections subsequent to the posting of the degree will be processed by the Registrar's Office but will not impact the honors designation for the student.~~

- ~~(1)~~ 1. Their cumulative UI grade-point averages are as specified in K-1-a, K-1-b, ~~or~~ K-1-c, or K-1-d and they have earned at least 56 credits in UI courses OR
- ~~(2)~~ 2. Both their cumulative UI grade-point averages AND their grade-point average from all sources (the overall GPA on Banner) are as specified in K-1-a, K-1-b, ~~or~~ K-1-c, or K-1-d and they have earned at least 32 credits in UI courses.

No credits earned through correspondence study, bypassed courses, credit by examination, College Level Examination Program, experiential learning, or technical competence may be counted among these ~~56~~ 56 or 32 credits. ~~Candidates for the degree of Juris Doctor are graduated with honors under the same conditions, except the grade point average considered is based exclusively on the student's record in the College of Law. Honors are not awarded with degrees earned through the College of Graduate Studies.~~

K-1-a. Candidates whose grade-point averages ~~would place them within the top 3 percent of graduates from their respective colleges over the preceding five years~~ are 3.90 to 4.00 are graduated *summa cum laude* (with highest ~~distinction~~ honors).

K-1-b. Candidates whose grade-point averages ~~would place them within the top 6 percent (but below the top 3 percent) of graduates from their respective colleges over the preceding five years~~ are 3.75 to 3.89 are graduated *magna cum laude* (with ~~great distinction~~ high honors).

K-1-c. Candidates whose grade-point averages ~~would place them within the top 10 percent (but below the top 6 percent) of graduates from their respective colleges over the preceding five years~~ are 3.60 to 3.74 are graduated *cum laude* (with ~~distinction~~ honors).

K-1-d. Candidates whose grade-point averages are 3.40-3.59 are graduated with academic distinction.

Note: Students graduating with Latin Honors as listed in K-1-a. –K-1-c. receive honor cords to wear at commencement. Their transcripts and diplomas reflect the final honors designation when degrees are posted. Students graduating with distinction as described in K-1-d. do not receive honor cords at graduation, but their transcripts and diplomas are annotated appropriately with the posting of degrees.

K-2. Graduation with Honors in the College of Law. Candidates for the degree of Juris Doctor are graduated with honors based exclusively upon their grade-point on the student's record in the College of Law. The GPA cut-offs are posted each year (after spring semester grades are posted) to the graduation web site.

K-2-a. Candidates whose grade-point averages in the College of Law would place them within the top 3 percent of graduates over the preceding five years are graduated *summa cum laude* (with highest distinction).

K-2-b. Candidates whose grade-point averages in the College of Law would place them within the top 6 percent (but below the top 3 percent) of graduates over the preceding five years are graduated *magna cum laude* (with great distinction).

K-2-c. Candidates whose grade-point averages in the College of Law would place them within the top 10 percent (but below the top 6 percent) of graduates over the preceding five years are graduated *cum laude* (with distinction).

Honors are not awarded with degrees earned through the College of Graduate Studies.

K-23. Dean's List. Undergraduate students who are registered for at least ~~12~~ 14 credits (10 in the College of Law) and attain a grade-point average of ~~3.50-3.30~~ (3.00 in the College of Law) for a given semester are placed on lists prepared for the college deans. ~~[Note: The 3.50 GPA is based on 12 graded credit hours (GPA hours) and does not include courses graded pass/fail.]~~ (Except for grades of P earned in English 101, credits for which a student was graded P are not computed in the specified minimums.) These lists are publicized within UI and are distributed to news agencies.

Report from the Committee on Committees
Proposal for Changing the Budget Liaison Committee Function and Membership

Faculty-Staff Handbook – Section 1640.20

Change Name To:
Institutional Planning and Budget Advisory Committee

A. Function. The function of the Institutional Planning and Budget Advisory Committee is:

A-1. To advise the Faculty Council and the Executive Director of Institutional Planning and Budget concerning University of Idaho planning and budget issues. The committee does not vote on any planning or budget issue brought before it.

A-2. To ensure that budget and planning issues are reviewed by a committee that represents the diversity of values and perspectives that exist within the university community. The Planning and Budget Advisory Committee will ensure that policies of institutional planning and budgeting will be addressed in their formative stages. The committee reports on a regular basis to the Faculty Council and through the minutes and actions of council, to the university community.

B. Structure and Membership. The committee is composed of fourteen (14) members all serving three-year staggered terms. The committee chair will usually be the senior member of the representatives elected by the Faculty Council.

- Three (3) faculty members elected by and from the membership of the Faculty Council representing each council “class”
- One (1) faculty member not associated with the Faculty Council
- Three (3) staff members, not associated with the university planning or budget offices, selected from nominations provided by the Staff Affairs Committee
- Three (3) students selected from nominations by the ASUI, GSA, and Student Bar Association to be representatives from those student organizations
- One (1) academic department administrator (selected from nominations from that group)
- Immediate Past Chair of the Institutional Planning and Budget Advisory Committee
- Chair of the Faculty Council
- Executive Director of Institutional Planning and Budget

PRESENT 1640.20

Budget Liaison Committee

A. Function. To serve as a communication link between the Faculty Council and the president for budgetary problems and priorities.

B. Structure and Membership. Four members, three of whom are elected by and from the Faculty Council, at least one of whom is to be elected each year for a term to run for the balance of his or her Faculty Council term. The senior member of these three serves as chair. No one is to continue as one of the three members on this committee who, for any reason, is no longer a member of the Faculty Council. The fourth member is the immediate past chair of the Budget Liaison Committee.

Before completing this form, refer to the "Board Policy Section III.G. Program Approval and Discontinuance.

1. Briefly describe the nature of the request e.g., is this a new program (degree, program, or certificate) or program component (e.g., new, discontinued, modified, addition to an existing program or option). We wish to replace this option with a new option better suited to our students' needs and that gives our students access to some of most exciting new research programs in the department. Very few students choose this option. A separate proposal in support of the creation of a Math Modeling Option is also in process. Keeping this option and adding the new option would lead to too many options in the Applied Math program.
2. Briefly describe how the institution will ensure the quality of the program (e.g., accreditation, professional societies, licensing boards, etc.).
3. Duplication--Is this request unique to the system? If not, briefly describe the rationale for the duplication.
6. Succinct statement of need for program or program modification. Include student and state need, demand, and employment potential. Attach a Scope and Sequence, DPTE Form Attachment B, for professional-technical education requests. **(Use additional sheets if necessary.)**
5. Describe how this request is consistent with the State Board of Education's policy or role and mission of the institution. (i.e., centrality).
6. Resources--Faculty/Staff/Space Needs/Capital Outlay. (Use additional sheets if necessary.):

| | | | |
|----------------------------------|----------|----------|----------|
| Estimated Fiscal Impact: | FY _____ | FY _____ | FY _____ |
| A. <u>Source of Funds</u> | | | |
| 1. Appropriated-reallocation | _____ | _____ | _____ |
| 2. Appropriated-new | _____ | _____ | _____ |
| 3. Federal | _____ | _____ | _____ |
| 4. Other: _____ | _____ | _____ | _____ |
| B. <u>Nature of Funds</u> | | | |
| 1. Recurring * | _____ | _____ | _____ |
| 2. Non-recurring** | _____ | _____ | _____ |
| Grand Total | <u>0</u> | <u>0</u> | <u>0</u> |

IDAHO STATE BOARD OF EDUCATION
ACADEMIC/PROFESSIONAL-TECHNICAL EDUCATION
NOTICE OF INTENT

to initiate a
NEW, EXPANDED, COOPERATIVE, DISCONTINUED, PROGRAM COMPONENT OR OFF-CAMPUS
INSTRUCTIONAL PROGRAM OR ADMINISTRATIVE/RESEARCH UNIT

University of Idaho
 Institution Submitting Proposal

College of Science / Department of Mathematics
 Name of College, School, or Division Name of Department

NOI is for an Academic Program

A New, Expanded, Cooperative, Contract, or Off-Campus Instructional Program or Administrative/Research Unit (circle one) leading to:

Creation of a Math Modeling option to the Applied Mathematics B.S. Program
 (degree or certificate)

Proposed Starting Date: _____

FOR NEW PROGRAMS ONLY

FOR OTHER ACTIVITY:

 Program (i.e., degree) Title & CIP 2000

- Program Component (major/minor/option/emphasis)
- Off-Campus Activity/Resident Center
- Administrative/Research Unit
- Addition/Expansion
- Discontinuance/consolidation
- Contract Program

This Notice of Intent has been approved by:

Earl H. Bennett 10/21/02
 College Dean (Institution) Date

 Graduate School Dean (as applicable) Date

 Chief Fiscal Officer (Institution) Date

 Chief Academic Officer (Institution) Date

 President Date

 State Administrator, SDPTE Date

 SBOE/OSBE Approval Date

Before completing this form, refer to the "Board Policy Section III.G. Program Approval and Discontinuance.

1. Briefly describe the nature of the request e.g., is this a new program (degree, program, or certificate) or program component (e.g., new, discontinued, modified, addition to an existing program or option). We wish to replace the current Scientific option (the request to do so is in process) with a new Math Modeling option which will better suit our students' needs.
2. Briefly describe how the institution will ensure the quality of the program (e.g., accreditation, professional societies, licensing boards, etc.). The program will be closely supervised by the Mathematics Department.
3. Duplication--Is this request unique to the system? If not, briefly describe the rationale for the duplication. This is not a duplication.
7. Succinct statement of need for program or program modification. Include student and state need, demand, and employment potential. Attach a Scope and Sequence, DPTE Form Attachment B, for professional-technical education requests. **(Use additional sheets if necessary.)**. The role of modeling is essential in modern interdisciplinary research involving mathematics and the sciences. In particular, Math Biology is an important research area of the Mathematics Department. This option will give undergraduates an opportunity to participate in this exciting new field. For those interested in mathematical biology or other interdisciplinary studies, this option will provide an opportunity to create an excellent double major program.
5. Describe how this request is consistent with the State Board of Education's policy or role and mission of the institution. (i.e., centrality).
6. Resources--Faculty/Staff/Space Needs/Capital Outlay. (Use additional sheets if necessary.): No impact because we are replacing one option with another and are creating no new courses. **No Fiscal Impact**

As in the case of all of the Applied Math options, Math 170, 175, 275, 330 and CS 112 would be required:
In the catalog, the new option will appear in the Applied Math Degree area as:

C. MATH MODELING OPTION:

Math 310 Ordinary Differential Equations

Math 451 Probability Theory

Math 437 Mathematical Biology or Wlf 504 (Ecological Modeling)

Stat 301 Probability and Statistics or Math 452 Mathematical Statistics

Five additional courses from the following:

Math 326 Linear Programming

Math 346 Applied Combinatorics

Math 371 Mathematical Physics

Math 426 Discrete Optimization

Math 433 Numerical Analysis

Math 452 Mathematical Statistics

Math 453 Stochastic Models

Math 480 Partial Differential Equations

Math 471 Advanced Calculus

Math 472 Advanced Calculus

Stat 301 Probability and Statistics

Two courses at the 300 level or above in one area of science, engineering or other quantitative area.