

Cover Sheet: Request 15546

Create new undergraduate certificate in Environmental Policy, Law, and Regulation

Info

Process	Certificate New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Timothy Martin tamartin@ufl.edu
Created	12/4/2020 12:08:07 PM
Updated	2/17/2021 1:35:07 PM
Description of request	Create new undergraduate certificate in Environmental Policy, Law, and Regulation

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Forest Resources and Conservation 60460000	Terrell Baker III		12/4/2020
catalog copy - policy certificate.docx					12/4/2020
RE_Courses in SFRC undergraduate certificate_SWS.pdf					12/4/2020
College	Approved	CALS - College of Agricultural and Life Sciences	Joel H Brendemuhl	Approved by CALS CC on 12/18/20.	1/6/2021
CALS CC Checklist_Dec2020.pdf					12/10/2020
Re_proposed certificate in SFRC_FRE.pdf					1/5/2021
Office of Institutional Planning and Research	Approved	PV - Office of Institutional Planning and Research	Cathy Lebo		1/28/2021
No document changes					
Associate Provost for Undergraduate Affairs	Approved	PV - Associate Provost for Undergraduate Affairs	Casey Griffith		2/17/2021
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			2/17/2021
No document changes					
Office of the Registrar					
No document changes					
OIPR Notified					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
Academic Assessment Committee Notified					
No document changes					

Step	Status	Group	User	Comment	Updated
College Notified					
No document changes					

Certificate|New for request 15546

Info

Request: Create new undergraduate certificate in Environmental Policy, Law, and Regulation
Description of request: Create new undergraduate certificate in Environmental Policy, Law, and Regulation
Submitter: Timothy Martin tamartin@ufl.edu
Created: 12/4/2020 12:04:40 PM
Form version: 1

Responses

Certificate Name

Enter the name of the certificate. Example: Urban Pest Management.

Response:
Environmental Policy, Law, and Regulation

Transcript Title

Enter the transcript title of the certificate. This is limited to 50 characters, including spaces.

Response:
Environmental Policy, Law, and Regulation

Credits

Enter the total number of credit hours needed to complete the certificate program.

Response:
15-16

Level

Enter the program level of the certificate.

Response:
Baccalaureate

CIP Code

Enter the six digit Classification of Instructional Programs (CIP) code for the degree program associated with the proposed certificate. The code has the numerical format XX.XXXX. Contact the [Office of Institutional Planning and Research \(OIPR\)](#) to verify the CIP code for the existing degree program.

Response:
03.0501

Degree Program

Enter the degree program associated with the CIP code entered above (e.g. Accounting).

Response:
Forest Resources and Conservation

Effective Term

Enter the term (semester and year) that the certificate would start. Please keep in mind that this may be adjusted depending on University deadlines for approval process.

Response:
Earliest Available

Effective Year

Response:
Earliest Available

Certificate Description

Enter a description of the certificate. This is limited to 50 words or fewer.

Response:
Prepares students with background in natural resources to work in legal and regulatory aspects of land management, including supporting pursuit of a law degree. Graduates will be prepared to work for government agencies responsible for managing and protecting environmental resources, in the private sector addressing issues of compliance, or similar.

Requirements for Admission

List any requirements for admission to this new certificate program such as grade point average, background in the discipline, current enrollment status, etc.. Please indicate if the certificate only accepts students of a particular status: for example, current UF graduate students, graduate students in a specific college, non-degree seeking students, or any student status.

Response:
Natural Resource Conservation Major OR Forest Resources and Conservation Major OR Marine Sciences Major OR Students or professionals with appropriate academic and/or professional background in natural resources, natural resource management, or allied fields, as determined by the FRC/NRC Undergraduate Coordinator.

Requirements for Completion

List all of requirements for completion of the certificate program, such as courses, internships, projects, etc. For each course, indicate prefix, number, title, # credits, and established grading scheme (letter grade or S/U). The title should be identical to the official title of the course as listed in the [Graduate catalog](http://gradcatalog.ufl.edu/) or [Graduate catalog](http://gradcatalog.ufl.edu/).

Response:
Core (take both courses)
FNR4660 Natural Resource Policy/Economics (letter, 3)
FOR3202 Society and Natural Resources (letter, 3)

Law and Policy (choose two courses)
BUL4310 Legal Environment of Business (letter, 4)
AEB4123 Ag and Natural Resource Law (letter, 3)
SUR4403 Cadastral Principles (letter, 3)

Applications (choose one)
FNR4624C Field Operations for the Management of Ecosystems (letter, 3)

FOR4343C Forest Water Resources (letter, 3)
SWS4244 Wetlands (letter, 3)
AEB4085 Ag Risk Management and the Law (letter, 3)
POS4931 Environmental Politics (letter, 3)

Rationale and Place in Curriculum

Describe the rationale for offering this new certificate and having it on the transcript, its place in the curriculum, how it will enhance the quality of the existing program or department. Also describe its overlap with any existing certificates and programs, and a justification for any such overlap. Note that documentation of consultation will be expected for any certificate with overlapping content.

Response:

All natural resource management takes place within a context of policy, law, and regulations which define the legal environment for management. Natural resource managers familiar with this legal environment are better prepared to assist stakeholders or their employers in achieving their management goals in a sometimes complex policy landscape. This certificate will enable students already in specified natural resource majors or with natural resource management experience to become more proficient in this area. The certificate may also help students prepare for law school and eventual careers as environmental attorneys.

Student Learning Outcomes

List each student learning outcome with its associated courses, assessment type (e.g. course-related exam/assignment/grade, final paper/project/presentation, standardized exam, capstone) and method (e.g. rubric, faculty committee, single faculty member).

Response:

Evaluate novel policy scenarios relative to the existing processes of creation, modification, and enforcement of environmental laws and regulations.

Assess the role of environmental laws and regulations in serving the larger goals and objectives of society.

The SLOs will be assessed through assignments in the required courses, using an established rubric.

CALS Curriculum Committee

Submission Checklist

NOTE: This checklist must be included with all course and certificate submissions.

The checklist below is intended to facilitate course and certificate submissions to the University of Florida Academic Approval Tracking System (<https://approval.ufl.edu/>). The checklist consists of the most common items that can cause a submission to require changes or be recycled. Contrary to information provided on the UF approval site, the CALS Curriculum Committee requires a syllabus be submitted with each new course or course modification request. Please note that submitters are encouraged to attend the CALS CC meeting at which their item is being reviewed. This allows the submitter to answer any potential questions that may arise that could cause the item to not be approved. Also, be aware that when completing the UCC form the section Description of Request is asking for a brief statement about what you are doing. This is **not** the place for a course description. A statement such as “Proposal of a new undergraduate course” is all that is needed. Please do not submit documents in pdf format. All documents should be submitted in Word to facilitate editing on our end if necessary.

CHECKLIST: PLEASE INITIAL OR MARK N/A FOR EACH STATEMENT TO INDICATE YOUR COMPLIANCE.

 NA It is required when making a submission that you consult your department’s representative to the CALS CC. A list of current members can be found on the committee site located at: <https://cals.ufl.edu/faculty-staff/committees/>.

 NA You **MUST** comply with the CALS Syllabus Policy, including items 1 through 8 and all standard syllabus statements. This document can be viewed at the committee site(<https://cals.ufl.edu/faculty-staff/committees/>) by clicking on the Curriculum Committee – Information & Documents heading and scrolling down to Forms, Checklists, and Other documents. The other items included here are all very helpful when making a curriculum submission. Some will be mentioned in other checklist items below.

 NA Joint course submissions must include both graduate and undergraduate syllabuses and a separate statement outlining the substantial (more than one) differences in assignments between the two courses. These assignments must account for at least a 15% difference in graded material between the two levels. If this is a new course submission both courses must be submitted for approval simultaneously.

 NA The course description on the UCC form and in the syllabus must match. Any other information you wish to include needs to be under a different heading such as background or additional information.

 NA The course learning objectives must be consistent with Bloom’s taxonomy. Please see the following link at the CALS Curriculum site. (https://cals.ufl.edu/content/PDF/Faculty_Staff/cals-course-objectives.pdf). Do not use the words demonstrate or understand when listing learning objectives.

 NA The course schedule should be concise and include the appropriate number of weeks in the semester.

NA All graduate course submissions must include a reading list if a textbook is not required. The reading list should include at least some current readings (within the last 5 years). All readings do not need to be current.

NA Outside consultations are required if there is a possibility of the proposed course covering material taught in another department or college on campus. There must be a consult form completed by the chair of the department from who you are seeking the consult. Instructors may provide additional consults. The form can be found at: <https://registrar.ufl.edu/pdf/ucccconsult.pdf>.

NA Prerequisite courses are required for 3000 and 4000 level courses. This line of the approval form cannot be “none” or left blank. Junior or senior standing is an acceptable option. A phrase such as “a course in basic biology” is not acceptable.

NA Decimal points must be included in the grading scale if grade cut-offs are based on percentages. While this is not a university policy it is a CALS standard practice to avoid any confusion when final grades for the course are determined.

NA The attendance and make-up policy in a syllabus cannot contradict the university’s policy. Do not include any additional wording to this policy. A statement and link regarding this is included in the CALS Syllabus Statements. For the approval process the college suggests a less is more view when it comes to this policy.

NA The most recent version of the CALS Syllabus Statements boiler plate must be included in all syllabuses. This document is included in the CALS Syllabus Policy and can be copied and pasted to the syllabus. Do not use the boilerplate statements from an old syllabus as they are likely to be out of date.

Certificates

If proposing a new undergraduate or graduate level certificate that includes any courses outside of the submitters department a statement regarding any possible impact on those courses needs to be included. An email from the instructor is acceptable. Also, any courses required for the certificate must have permanent prefixes and course numbers. The submission must include intended catalog copy. (Contact Dr. Joel Brendemuhl (brendj@ufl.edu) for further instruction)

Environmental Policy, Law, and Regulation

certificate

Prepares students with existing background in natural resources to work in legal and regulatory aspects of land management, including supporting the pursuit of a law degree. Graduates will be prepared to work for government agencies responsible for protecting environmental resources, in the private sector addressing issues of compliance, or similar.

About this Program

- **College:** [Agricultural and Life Sciences](#)
- **Credits:** 15-16 | Completed with minimum grades of C
- **Contact:** [Email](#) | 352.846.0847

Certificates must contain at least nine credits of coursework that are unique to that program out of all other certificates and minors.

The School of Forest Resources & Conservation is a unit within the Institute of Food and Agricultural Sciences (IFAS) and the College of Agricultural and Life Sciences (CALs). The school is home to three distinct yet integrated program areas: [Fisheries and Aquatic Sciences](#), [Forest Resources and Conservation](#), and [Geomatics](#). The school's faculty, staff, and students conduct research, teaching, and extension that cuts across a wide range of environments and disciplines.

[Website](#)

CONTACT

[Email](#) | 352.846.0850 (tel) | 352.392.1707 (fax)

P.O. Box 110410
1745 McCarty Drive
136 NEWINS-ZIEGLER HALL
GAINESVILLE FL 32611-0410

[Map](#)

Requirements for admission

Natural Resource Conservation Major OR Forest Resources and Conservation Major OR Marine Sciences Major OR students or professionals with appropriate academic and/or professional background in natural resources, natural resource management, or allied fields, as determined by the FRC/NRC Undergraduate Coordinator.

Curriculum

Students must have a high-school diploma or the equivalent and they must have completed all course prerequisites before enrolling in any course.

Required Courses

FNR 4660	Natural Resource Policy / Economics	3
FOR 3202	Society and Natural Resources	3
Electives		9-10
Total Credits		15-16

Electives

Law and Policy (choose two)

BUL 4310	Legal Environment of Business	4
AEB 4123	Ag and Natural Resource Law	3
SUR 4403	Cadastral Principles	3

Applications (choose one)

FNR 4624C	Field Operations for the Management of Ecosystems	3
FOR 4343C	Forest Water Resources	3
SWS 4244	Wetlands	3
AEB 4085	Ag Risk Management and the Law	3
POS 4931	Environmental Politics	3

From: [Whiles,Matthew R](#)
To: [Martin,Timothy A](#)
Subject: RE: Courses in SFRC undergraduate certificate
Date: Thursday, December 3, 2020 12:26:52 PM

Hey Tim –

I checked with both professors and they have no problem accommodating some additional students.

Matt R. Whiles
Chair and Professor, Soil and Water Sciences Department
Past President, Society for Freshwater Science

2181 McCarty Hall A
PO Box 110290
University of Florida
Gainesville, FL 32611-0290

Phone: (352) 294 3161
Email: mwhiles@ufl.edu

From: Martin,Timothy A <tamartin@ufl.edu>
Sent: Monday, November 30, 2020 4:17 PM
To: Whiles,Matthew R <mwhiles@ufl.edu>
Subject: Courses in SFRC undergraduate certificate

Dear Dr. Whiles,

I am the undergraduate coordinator in the School of Forest Resources and Conservation. We are planning undergraduate certificates in Environmental Policy, Law, and Regulation and Urban Forestry that include the following Soil and Water Sciences courses in their curricula:

SWS4231C Soil, Water and Land Use
SWS4244 Wetlands

I do not anticipate these certificates to carry very large enrollments, and these courses are part of “choose one” type menus, so I suspect “new” enrollment in these courses due to these certificates would not exceed 3-5 students/year.

Do you anticipate that these courses can accommodate that additional enrollment? If I should direct this question to someone else, please let me know.

Best regards,

Tim

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Timothy A. Martin
Professor, Tree Physiology
School of Forest Resources and Conservation
University of Florida
Box 110410, Gainesville, FL , 32611-0410
352-846-0866

From: [House, Lisa](#)
To: [Martin, Timothy A](#)
Cc: [Sharp, Misti](#); [Sager, Scott A](#)
Subject: Re: proposed certificate in SFRC
Date: Tuesday, January 5, 2021 1:29:50 PM

Tim,

Sorry for being slow on this! I agree that this would not likely overlap our minor given the other required courses. The only 'issue' we might have is AEB 4123 does fill quickly, but you probably already know this from the specialization (not a problem for us, but wanted to make sure you know capacity is limited in that class).

Lisa

Note from TAM: AEB 4123 is currently a part of our UG specialization in environmental pre-law, which this certificate will replace, so I do not anticipate additional load on this course

From: Martin, Timothy A <tamartin@ufl.edu>
Sent: Tuesday, January 5, 2021 12:41 PM
To: House, Lisa <lighthouse@ufl.edu>
Cc: Sharp, Misti <mistisharp@ufl.edu>; Sager, Scott A <sasager@ufl.edu>
Subject: FW: proposed certificate in SFRC

Hi, Lisa,
I'm just following up on the inquiry below.
Happy New Year!
Tim

From: Martin, Timothy A
Sent: Friday, December 18, 2020 4:10 PM
To: House, Lisa <lighthouse@ufl.edu>
Cc: Sharp, Misti <mistisharp@ufl.edu>; Sager, Scott A <sasager@ufl.edu>
Subject: proposed certificate in SFRC

Dear Lisa,

I'm the undergraduate coordinator for Forest Resources and Conservation in SFRC. I wanted to consult with you and FRE regarding a proposed new undergraduate certificate in Environmental Policy, Law, and Regulation (catalog copy attached). The intent for this certificate is to functionally replace our FRC Specialization in Environmental Pre-Law (curriculum for that one attached as well), which we are planning to eliminate. Our audience for this certificate is primarily students in SFRC majors (especially Forest Resources and Conservation, Natural Resource Conservation, and Marine Sciences), since again, this is functionally intended to replace the Pre-Law specialization. To provide some flexibility, the admission requirements do allow for students in other majors (or professionals) to enroll in the certificate, but we envision primarily admitting students with a specific interest in natural resource management.

Because of that narrow audience, I do not anticipate significant overlap or competition for students with the FRC minors in Agricultural and Natural Resource Law or Agricultural and Natural Resource Ethics and Policy, but Misti pointed out in the CALS UPC meeting today that I should touch base with you on this, and I agree.

Let me know if you have any questions, or wish to discuss on the phone or zoom.

Best regards,

Tim

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Timothy A. Martin
Professor, Tree Physiology
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Box 110410, Gainesville, FL , 32611-0410
352-846-0866