

Cover Sheet: Request 15547

Establish new undergraduate certificate in Nature-Based Recreation

Info

Process	Certificate New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Timothy Martin tamartin@ufl.edu
Created	12/4/2020 12:11:59 PM
Updated	2/17/2021 1:34:41 PM
Description of request	Establish new undergraduate certificate in Nature-Based Recreation

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Forest Resources and Conservation 60460000	Terrell Baker III		12/4/2020
catalog copy - recreation certificate.docx					12/4/2020
Re_ Course in SFRC undergraduate certificate_FYCS.pdf					12/4/2020
RE_ Course in SFRC undergraduate certificate_Sustainability.pdf					12/4/2020
Re_ Courses in SFRC undergraduate certificate_AEC.pdf					12/4/2020
RE_ Courses in SFRC undergraduate certificate_WEC.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
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					

Step	Status	Group	User	Comment	Updated
Academic Assessment Committee Notified					
No document changes					
College Notified					
No document changes					

Certificate|New for request 15547

Info

Request: Establish new undergraduate certificate in Nature-Based Recreation

Description of request: Establish new undergraduate certificate in Nature-Based Recreation

Submitter: Timothy Martin tamartin@ufl.edu

Created: 12/4/2020 12:09:35 PM

Form version: 1

Responses

Certificate Name

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

Response:

Nature-Based Recreation

Transcript Title

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

Response:

Nature-Based Recreation

Credits

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

Response:

15

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 to create and manage nature-based recreational opportunities. Includes management of recreational features and infrastructure, as well as education through programming. Graduates will be prepared to work for public agencies managing land which provides recreational opportunities, as well as private entities providing recreational opportunities such as guide services.

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:
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 (all students take)
FOR4664: Sustainable Ecotourism Development (letter, 3)

Forestry (choose one course)
FOR2662: Forests for the Future (letter, 3)
FOR3004 Forests, Conservation, and People (letter, 3)
FOR3153C Forest Ecology (letter, 3)
FOR4060 Global Forests (letter, 3)

Choose three of the following groups and take one course from each

Wildlife

WIS4523 Human Dimension of Natural Resource Conservation (letter, 3)
WIS 3401 Wildlife Ecology and Management (letter, 3)
FAS 4305C Introduction to Fishery Science (letter, 3)

Tourism

LEI3843 Entrepreneurship in Tourism, Recreation, and Sport Management (letter, 3)
LEI3301 Principles of Travel and Tourism

Communication

AEC3073 Intercultural Communication (letter, 3)
AEC 3209 Instructional and Event Planning in Agricultural and Life Sciences (letter, 3)
AEC4035 Communication Practices in Ag and Life Sciences (letter, 3)

Community Development

DCP3200 Methods of Inquiry for Sustainability and the Built Environment (letter, 3)
FYC4301 Engaging Communities for Decision Making and Action (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:

Human use of forests and other natural resources for recreation provides billions of dollars of economic impact each year in the state of Florida, along with enormous intangible benefits to stakeholders. This certificate will enable students in natural resource management majors or careers to enhance their ability to plan, create, and manage nature-based recreation programs and opportunities.

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:

Applies principles of recreation to create land management plans which integrate recreational opportunities with other land management activities to produce benefits for both the landowner and society.

Assesses land management plans and/or scenarios to determine the role of recreation in supporting land management, through both financial- and public-support.

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)

Nature-Based Recreation certificate

Prepares students to create and manage nature-based recreational opportunities. Includes management of recreational features and infrastructure, as well as education through programming. Graduates will be prepared to work for public agencies managing land which provides recreational opportunities, as well as private entities providing recreational opportunities such as guide services.

About this Program

- **College:** [Agricultural and Life Sciences](#)
- **Credits:** 15 | 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

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

FOR 4664	Sustainable Ecotourism Development	3
Electives		12
Total Credits		15

Electives

Forestry (choose one)

FOR 2662	Forests for the Future	3
FOR 3004	Forests, Conservation, and People	3
FOR 3153C	Forest Ecology	3
FOR 4060	Global Forests	3

Choose three of the following groups and take one course from each

Wildlife

WIS 4523	Human Dimensions of Natural Resource Conservation	3
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Tourism

LEI 3843	Entrepreneurship in Tourism, Recreation, and Sport Management	3
LEI 3301	Principles of Travel and Tourism	3

Communication

AEC 4035	Communication Practices in Ag and Life Sciences	3
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Community Development

DCP 3200	Methods of Inquiry for Sustainability and the Built Environment	3
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From: [Irani, Tracy Anne](#)
To: [Martin, Timothy A](#)
Subject: Re: Course in SFRC undergraduate certificate
Date: Monday, November 30, 2020 5:33:21 PM

Tim, this is a large enrollment course with a high cap. I do not anticipate that your students who would have any issues with enrolling in it.

Thanks,
Tracy

Tracy Irani
Professor
Chair, Family Youth and Community Sciences Department
3001 MCCD
College of Agricultural and Life Sciences
University of Florida
GNV, FL 32611
Ph- 352-273-3446
Fax - 352-392-9585
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From: "Martin, Timothy A" <tamartin@ufl.edu>
Date: Monday, November 30, 2020 at 4:06 PM
To: Tracy Irani <irani@ufl.edu>
Subject: Course in SFRC undergraduate certificate

Dear Dr. Irani,

I am the undergraduate coordinator in the School of Forest Resources and Conservation. We are planning an undergraduate certificate in Nature-Based Recreation that includes the following Family, Youth, and Community Sciences course in its curricula:

FYC4301 Engaging Communities for Decision Making and Action

I do not anticipate this certificate to carry very large enrollments, and this course is part of a "choose one" type of menu, so I suspect "new" enrollment in this course due to this certificate would not exceed 3-5 students/year.

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

Best regards,

Tim

==

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: [Dejong, Patric E](#)
To: [Armaghani, Bahar A](#); [Martin, Timothy A](#)
Subject: RE: Course in SFRC undergraduate certificate
Date: Tuesday, December 1, 2020 7:58:59 AM
Attachments: [image002.png](#)

Hi Bahar and Tim,

I don't see any issues with it, let's see how it goes with the new enrollment and stay in touch.

Sincerely,
Pat De Jong
Assistant Director, Academic Advising
University of Florida
College of Design, Construction & Planning
356 Architecture Building
Gainesville, FL 32611
(352) 294-1400, patricde@dcp.ufl.edu

From: Armaghani, Bahar A <barmagh@ufl.edu>
Sent: Monday, November 30, 2020 7:56 PM
To: Martin, Timothy A <tamartin@ufl.edu>
Cc: Dejong, Patric E <patricde@dcp.ufl.edu>
Subject: RE: Course in SFRC undergraduate certificate

Dear Tim,
Hope all is well. If you have 3-5 students per year, I think it will be ok. The priority will always be given to SBE students to enroll as it is required and prerequisite course for their final capstone project.

I am copying Pat Dejong, our Director for Advising to be aware. I am not sure if they will need to go through Pat to register.
Your thoughts Pat?

Thank you.

Bahar Armaghani

Bahar Armaghani, LEED Fellow
Director, Sustainability and the Built Environment, and Lecturer
Director, UF Green Building Learning Collaborative

Sustainability and the Built Environment
College of Design, Construction and Planning

1480 Inner Road

Architecture Building
PO Box 115701
Gainesville, FL 32611-5701

PH: 352-294-1428

barmagh@ufl.edu

<http://www.dcp.ufl.edu>

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 Please consider the environment before printing this email.

From: Martin, Timothy A <tamartin@ufl.edu>

Sent: Monday, November 30, 2020 4:18 PM

To: Armaghani, Bahar A <barmagh@ufl.edu>

Subject: Course in SFRC undergraduate certificate

Dear Dr. Armaghani,

I am the undergraduate coordinator in the School of Forest Resources and Conservation. We are planning an undergraduate certificate in Nature-Based Recreation that includes the following Sustainability and the Built Environment course in its curriculum:

DCP3200 Methods of Inquiry for Sustainability and the Built Environment

I do not anticipate this certificate to carry very large enrollments, and this course is part of a “choose one” type of menu, so I suspect “new” enrollment in this course due to this certificate would not exceed 3-5 students/year.

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

Best regards,

Tim

==

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: [Lundy, Lisa Katherine](#)
To: [Myers, Brian E](#); [Martin, Timothy A](#)
Cc: [Cook, Becky](#)
Subject: Re: Courses in SFRC undergraduate certificate
Date: Tuesday, December 1, 2020 8:20:17 AM
Attachments: [image001.png](#)
[image002.png](#)

Hi Tim!

Thank you for your email. I've copied Becky Cook, our academic advisor, so she knows about these certificates. We are no longer offering AEC 4052 as it is being phased out of our curriculum. I think we could accommodate those students in AEC 4035 and AEC 4031 and we would welcome them in our classes. If you'd like to have a third class, a couple I would suggest are listed below.

AEC 3071: Social Media Strategy and Leadership for Agricultural and Life Sciences
AEC 3073: Intercultural Communication
AEC 3209: Instructional and Event Planning in Agricultural and Life Sciences
AEC 4036/5037: Advanced Agricultural Communication Production
AEC 4434: Communication and Leadership in Groups and Teams

Syllabi for these courses can be found at <https://aec.ifas.ufl.edu/undergraduate/courses/>

Please let me know if you have any questions.

Thank you,
Lisa

Lisa K. Lundy, Ph.D., APR | Professor & Undergraduate Coordinator
[Agricultural Education and Communication](#) | [University of Florida](#)
121E Bryant Space Science Center, PO Box 112060, Gainesville, FL 32611-2060
Phone: 352.273.2588 | Fax: 123.456.7890



AGRICULTURAL
EDUCATION AND
COMMUNICATION

From: "Myers, Brian E" <bmyers@ufl.edu>
Date: Monday, November 30, 2020 at 4:28 PM
To: "Martin, Timothy A" <tamartin@ufl.edu>
Cc: Lisa Lundy <lisalundy@ufl.edu>
Subject: RE: Courses in SFRC undergraduate certificate

I actually added Lisa to the email this time! Thank you for your patience.

Brian E. Myers | Professor and Chair
[Agricultural Education and Communication](#) | [University of Florida](#)
305 Rolfs Hall, PO Box 110540, Gainesville, FL 32611-0540
Phone: (352) 392-0502 | Fax: (352) 392-9585



From: Martin,Timothy A <tamartin@ufl.edu>
Sent: November 30, 2020 4:25 PM
To: Myers,Brian E <bmyers@ufl.edu>
Subject: RE: Courses in SFRC undergraduate certificate

Brian,
Thanks for the quick response. I'll wait to hear from Lisa.
Tim

From: Myers,Brian E <bmyers@ufl.edu>
Sent: Monday, November 30, 2020 4:18 PM
To: Martin,Timothy A <tamartin@ufl.edu>
Subject: RE: Courses in SFRC undergraduate certificate

Tim,

Thank you for reaching out. I've copied Lisa Lundy on this message. Lisa is one of our Ag Comm faculty members and is the AEC Undergraduate Coordinator. She is in the best position to address your question.

Thanks,

BEM

Brian E. Myers | Professor and Chair
[Agricultural Education and Communication](#) | [University of Florida](#)
305 Rolfs Hall, PO Box 110540, Gainesville, FL 32611-0540
Phone: (352) 392-0502 | Fax: (352) 392-9585



From: Martin,Timothy A <tamartin@ufl.edu>
Sent: November 30, 2020 4:02 PM
To: Myers,Brian E <bmyers@ufl.edu>
Subject: Courses in SFRC undergraduate certificate

Dear Dr. Myers,

I am the undergraduate coordinator in the School of Forest Resources and Conservation. We are planning undergraduate certificates in Fire Ecology and Management and Nature-Based Recreation that include the following Agricultural Education and Communications courses in their curricula:

AEC4035 Communication Practices in Ag and Life Sciences
AEC4052 Communication Campaign Strategies in Ag and Life Sciences
AEC4031: The Communication Process in Agricultural and Life Sciences

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

==

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: [Williams,Claire C](#)
To: [Johnson,Steven Albert](#); [Hellgren,Eric C](#); [Martin,Timothy A](#)
Subject: RE: Courses in SFRC undergraduate certificate
Date: Monday, November 30, 2020 5:01:23 PM

Hi all,

I agree with Steve's comments. I think the Fire Ecology & Mgmt. certificate will be a popular choice with our majors, especially if they can double count courses between the major and the certificate. Be sure to send us copies of the final curriculum for both certificates. Our majors may also be very interested in the Nature-based Recreation certificate.

Claire

From: Johnson,Steven Albert <tadpole@ufl.edu>
Sent: Monday, November 30, 2020 4:52 PM
To: Hellgren,Eric C <hellgren@ufl.edu>; Martin,Timothy A <tamartin@ufl.edu>
Cc: Williams,Claire C <ccwillia@ufl.edu>
Subject: RE: Courses in SFRC undergraduate certificate

Hey Eric and Tim:

I am not sure about Nia's course, but Eric's response seems reasonable.

And I agree about the Habitat Management course. We are likely going to have to turn away our WEC majors at times. But maybe Marcus would be willing to offer an additional section, or maybe even teach the course again in Summer B or during another semester? This is his wheelhouse for sure.

Great news Tim, especially with the Fire Ecology and Management Cert. I suspect that may become a popular certificate.

Claire, your thoughts...

Steve

Dr. Steve A. Johnson (he, him, his), Associate Professor
Undergraduate Program Coordinator
Dept. of Wildlife Ecology & Conservation
University of Florida
110 Newins-Ziegler Hall
Gainesville, FL 32611
352.846.0557
tadpole@ufl.edu
<http://ufwildlife.ifas.ufl.edu/>

From: Hellgren, Eric C <hellgren@ufl.edu>
Sent: Monday, November 30, 2020 4:37 PM
To: Martin, Timothy A <tamartin@ufl.edu>
Cc: Johnson, Steven Albert <tadpole@ufl.edu>; Williams, Claire C <ccwillia@ufl.edu>
Subject: RE: Courses in SFRC undergraduate certificate

Hi Tim:

I am copying my response to Steve Johnson, WEC Undergraduate Coordinator, and Claire Williams, WEC Academic Advisor, for additional comment.

My thoughts are:

WIS4523 – probably can handle 3-5 extra students. Nia Morales is the instructor. It is taught annually in fall with a 30-35 enrollment.

WIS4427 – likely unable to handle non-WEC students unless we can add another section.

Marcus Lashley is the instructor, and he is planning to teach the course annually at the beginning of summer A as a 1-week intensive field course and an enrollment cap of 15 students. He is willing to teach another section, but that scenario would require some additional teaching power elsewhere!

Cheers,

ECH

From: Martin, Timothy A <tamartin@ufl.edu>
Sent: Monday, November 30, 2020 4:22 PM
To: Hellgren, Eric C <hellgren@ufl.edu>
Subject: Courses in SFRC undergraduate certificate

Dear Dr. Hellgren,

I am the undergraduate coordinator in the School of Forest Resources and Conservation. We are planning undergraduate certificates in Nature-Based Recreation and Fire Ecology and Management that include the following Wildlife Ecology and Conservation courses in their curricula:

WIS4523 Human Dimension of Natural Resource Conservation

WIS4427C Wildlife Habitat Management

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

==

Timothy A. Martin
Professor, Tree Physiology
School of Forest Resources and Conservation
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352-846-0866