

Cover Sheet: Request 11869

Medical Geography

Info

Process	Certificate New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Sadie Ryan sjryan@ufl.edu
Created	9/26/2017 10:54:58 AM
Updated	10/25/2017 7:10:51 PM
Description of request	<p>A certificate in Medical Geography is proposed, comprising internal courses only, complementing the existing Medical Geography major tracks approved and in place.</p> <p>External email reviews are being sought and will be uploaded as soon as they are available.</p> <p>Thank you</p>

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CLAS - Geography 011609000	Sadie Ryan		9/26/2017
No document changes					
College	Recycled	CLAS - College of Liberal Arts and Sciences	Sadie Ryan	conditionally approved, subject to the following: Your course GIS 3420 has the catalog title "Models for Public Health", but you list it as "Spatial Models for Public Health". Please revise.	10/17/2017
McCartyExtConsult.pdf					9/26/2017
Morris_ExtConsult.pdf					9/26/2017
Department	Approved	CLAS - Geography 011609000	Sadie Ryan		10/20/2017
No document changes					
College	Approved	CLAS - College of Liberal Arts and Sciences	Sadie Ryan		10/24/2017
No document changes					
Office of Institutional Planning and Research	Approved	PV - Office of Institutional Planning and Research	Sadie Ryan		10/25/2017
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			10/25/2017
No document changes					
Office of the Registrar					
No document changes					
OIPR Notified					
No document changes					
Student Academic Support System					

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

Certificate|New for request 11869

Info

Request: Medical Geography

Description of request: A certificate in Medical Geography is proposed, comprising internal courses only, complementing the existing Medical Geography major tracks approved and in place.

External email reviews are being sought and will be uploaded as soon as they are available.

Thank you

Submitter: Sadie Ryan sjryan@ufl.edu

Created: 10/20/2017 9:25:17 AM

Form version: 2

Responses

Certificate Name Medical Geography

Transcript Title Medical Geography

Credits 12

Level Baccalaureate

CIP Code 45.0701

Degree Program Geography

Effective Term Earliest Available

Effective Year Earliest Available

Certificate Description The world faces a pressing need for geographic theories, methods, and techniques to address global health issues. This certificate in Medical Geography will provide training in spatial disease ecology, global health, and essential geostatistical approaches to public health. Hands-on experiences of geospatial analysis are emphasized through lab-based applications.

Requirements for Admission Current and incoming UF undergraduates

Requirements for Completion Students must take two required courses, a techniques course, and an advanced course, for a minimum of 12 credits. Students must complete with a minimum of average grade of 3.0 (B).

Required:

GEO 3452: Introduction to Medical Geography [3 cr – letter graded]

GEO 3454: Peoples and Plagues [3 cr – letter graded]

Select ONE techniques course:

GIS 3420: GIS models for public health [3 cr – letter graded]

GIS 3043C: Foundations of GIS [4 cr – letter graded]

GEO 3162C: Introduction to quantitative analysis for geographers [4 cr – letter graded]

Select ONE advanced course:

GIS 4113: Introduction to spatial networks [3 cr – letter graded]

GEO 4612: Shelter and care options for U.S. elderly [3 cr – letter graded]

GEO 4938: Applications of GIS for spatial epidemiology and diseases ecology [3 cr – letter graded]

GEO 4938: Geography of vector-borne diseases [3 cr – letter graded]

Rationale and Place in Curriculum Public health agencies are increasingly recruiting employees with skills in geospatial methods. As digitization of public health data and models for intervention increase in complexity, so does the need for skilled geospatial statisticians, trained GIS users, and spatial data scientists with epidemiological and global health training. Medical Geography is the home of this intersection of health and spatial data analytical training, but this is currently limited to majors.

Students currently taking courses proposed in this certificate may come from geography, anthropology, public health, wildlife ecology and conservation, urban planning, and many other majors on campus. These students do not currently have a way to demonstrate their acquired knowledge and skills in Medical Geography, outside of the primary major tracks in Medical Geography. This certificate can be used to complement major tracks in Geography that are not Medical Geography primarily, and can also be used by non-geography students to enhance employment opportunities, expand skills and academic interests in medical and health geography, and broaden their undergraduate experience. A

certificate in Medical Geography will be desired by public health agencies, research institutes, graduate programs, and industry, to demonstrate a student's proficiency in these methods.

Student Learning Outcomes Content: students will be able to identify medical geography concepts, theories, and techniques

Assessment: the required course "GEO 3452: Introduction to Medical Geography" uses a midterm exam and quizzes to test this outcome

Critical thinking: Students will apply techniques and methods to analyze disease occurrence data, or intervention scenarios, to address real-world problems.

Assessment: Students will conduct independent final written projects addressing multiple facets of challenges, economics, and interventions for infectious diseases in the required course "GEO 3454: Peoples and Plagues". In addition, techniques and advanced course options involve final projects analyzing spatial datasets and health/disease information.

Communication: Student will be able to interpret and communicate medical geographic approaches, graphically, and verbally.

Assessment: In both required courses, a final paper includes visual representations or interpretation of medical geography information; all advanced courses require oral presentations, graded by rubric, which include interpretation of medical geographic information.

Ryan,Sadie Jane

From: Ryan,Sadie Jane
Sent: Tuesday, September 26, 2017 4:41 PM
To: Mccarty,Christopher
Subject: RE: External consultation request on Medical Geography certificate

Dear Chris,

Thank you so much for the rapid review and input – I'd also be keen to chat more about joint certificate options. My chair (Jane Southworth) and I have been gently brainstorming about various ideas, and this sounds like it could be an interesting one to pursue too.

I appreciate your note about Global Health, and I'll make sure I don't confuse the system too much when we submit the certificate!

Cheers

Sadie J. Ryan, PhD.

Associate Professor, Medical Geography

Department of Geography
3128 Turlington Hall
University of Florida
Gainesville, FL 32611 USA

www.sadieryan.net

Emerging Pathogens Institute
University of Florida
P.O. Box 100009
2055 Mowry Road
Gainesville, FL 32610

From: Mccarty,Christopher
Sent: Tuesday, September 26, 2017 4:37 PM
To: Ryan,Sadie Jane <sjryan@ufl.edu>
Subject: RE: External consultation request on Medical Geography certificate

Hi Sadie,

I've run this by a couple of our faculty and we don't see an obvious overlap. Your e-mail says Medical Geography in Global Health while the document just says Medical Geography. Global Health is a big umbrella and shouldn't be referenced in any specific certificate. As you may know we offer a certificate in Medical Anthropology which also has a global health component. A certificate in Medical Geography seems like a better title. It also occurs to us that a joint certificate of some kind might be of interest to some students. Let me know if you would be interested in discussing this possibility.

Take care,

chris

From: Ryan,Sadie Jane
Sent: Tuesday, September 26, 2017 11:24 AM
To: Mccarty,Christopher <ufchris@ufl.edu>
Subject: RE: External consultation request on Medical Geography certificate

Dear Dr McCarty,

Please (hopefully) find the attached materials for the Certificate.

Sincerely
Sadie

Sadie J. Ryan, PhD.

Associate Professor, Medical Geography

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3128 Turlington Hall
University of Florida
Gainesville, FL 32611 USA

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From: Mccarty,Christopher
Sent: Tuesday, September 26, 2017 11:23 AM
To: Ryan,Sadie Jane <sjryan@ufl.edu>; deFrance,Susan D <sdef@ufl.edu>
Subject: RE: External consultation request on Medical Geography certificate

No worries Sadie. However I don't think the attachment came through to me.

chris

From: Ryan,Sadie Jane
Sent: Tuesday, September 26, 2017 11:21 AM
To: deFrance,Susan D <sdef@ufl.edu>
Cc: Mccarty,Christopher <ufchris@ufl.edu>
Subject: RE: External consultation request on Medical Geography certificate

Dear Susan,

Thank you so much, and my apologies for trying to give you extra chair duties beyond the timeline! Dr. McCarty, I appreciate your time and attention to this, please forgive me for bungling the first step.

Cheers

Sadie J. Ryan, PhD.

Associate Professor, Medical Geography

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From: deFrance,Susan D
Sent: Tuesday, September 26, 2017 11:20 AM
To: Ryan,Sadie Jane <sjryan@ufl.edu>
Cc: Mccarty,Christopher <ufchris@ufl.edu>
Subject: RE: External consultation request on Medical Geography certificate

Hi Sadie,

I assume this was to go to the Chair, but I am longer Chair of Anthropology. So I am cc'ing our new Chair, Chris McCarty, who can help with the request.

Sounds like an interesting program.

Best,

Susan

Susan D. deFrance
Department of Anthropology
PO Box 117305
University of Florida
Gainesville, FL 32611

352-294-7531
352-392-6629 (fax)

From: Ryan,Sadie Jane
Sent: Tuesday, September 26, 2017 11:08 AM
To: deFrance,Susan D <sdef@ufl.edu>
Subject: External consultation request on Medical Geography certificate

Dear Dr deFrance,

We are proposing a certificate in Medical Geography to complement our existing Medical Geography major tracks. This certificate comprises courses internal to the Medical Geography program, and therefore represents no burden on

resources of other programs and majors, but hopefully provides an additional path for students of many majors to gain essential Medical Geography skills.

Medical Geography is a well-established and long recognized sub-discipline and has received great support at UF in recent years. In the past few years, we have grown the single largest Medical Geography faculty in the country (Blackburn, Mao, Glass, Ryan) and we truly are global in our reach. Our courses offer training in medical geography, both social science and quantitative geospatial methods-focused, and cultural courses with regional or international focus. The purpose of this certificate is to allow more students, including non-geography majors, the opportunity to gain training in methods and theories in Medical Geography, and gain proven certification in those skills. This is important for future employment opportunities, and is in demand at public health agencies, graduate programs, governmental and non-governmental research institutions. Our existing BA and BS programs require students to take regionally-focused courses and our current medical geography faculty have actively funded projects and graduate students working on all 7 continents. Our name *Medical Geography in Global Health* is borne out of Dean Richardson's efforts to work towards UF's larger campus-wide Global Health Initiative and grow capacity within departments to meet student interests in Global Health.

We would appreciate your review of this proposed certificate (materials attached), and please do not hesitate to contact me with any questions (sjryan@ufl.edu).

Sincerely

Sadie

Sadie J. Ryan, PhD.

Associate Professor, Medical Geography

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Ryan,Sadie Jane

From: Morris,John Glenn
Sent: Tuesday, September 26, 2017 2:21 PM
To: Ryan,Sadie Jane
Subject: Re: External consultation request for Medical Geography Certificate

I have read through the certificate proposal, and am strongly supportive. It is an important area, and the availability of a certificate of this type will clearly be of benefit to students. Will be happy to help out in any way necessary to make this happen.

J. Glenn Morris, Jr., MD, MPH&TM
Professor and Director
Emerging Pathogens Institute
University of Florida

From: "Ryan,Sadie Jane" <sjryan@ufl.edu>
Date: Tuesday, September 26, 2017 at 11:04 AM
To: "Morris,John Glenn" <jgmorris@epi.ufl.edu>
Subject: External consultation request for Medical Geography Certificate

Dear Dr Morris,

We are proposing a certificate in Medical Geography to complement our existing Medical Geography major tracks. This certificate comprises courses internal to the Medical Geography program, and therefore represents no burden on resources of other programs and majors, but hopefully provides an additional path for students of many majors to gain essential Medical Geography skills.

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We would appreciate your review of this proposed certificate (materials attached), and please do not hesitate to contact me with any questions (sjryan@ufl.edu).

Sincerely
Sadie

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Associate Professor, Medical Geography

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