**Undergraduate Programs—NEW COURSE PROPOSAL**

**Department:** CECE  
**College:** COECS

**RECOMMENDED COURSE IDENTIFICATION:**

- **PREFIX**
- **SUR**
- **COURSE NUMBER** 4384  
- **LAB CODE** (L or C) C

*(TO OBTAIN A COURSE NUMBER, CONTACT NMA1DONADO@FAU.EDU)*

**COMPLETE COURSE TITLE:** Thermal infrared remote sensing and applications

**EFFECTIVE DATE**

(first term course will be offered)

2016 SPRING

**CREDITS:** 3

**TEXTBOOK INFORMATION:**


**GRADING (SELECT ONLY ONE GRADING OPTION):** REGULAR X PASS/Fail Satisfactory/Unsatisfactory

**COURSE DESCRIPTION, NO MORE THAN THREE LINES:** METHODS AND APPLICATIONS OF THERMAL INFRARED REMOTE SENSING, TEMPERATURE INFORMATION WITH AN APPROPRIATE SPATIAL AND TEMPORAL COVERAGE AT LOCAL AND REGIONAL SCALES, USE OF THERMAL INFRARED THERMOMETER AND THERMAL CAMERA TECHNOLOGIES.

**PREREQUISITES WITH MINIMUM GRADE:**

GIS 4035C with minimum grade of "C" or Special permission from instructor

**COREQUISITES:**

**REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL):**

**DEFAULT MINIMUM PASSING GRADE IS D:** PREREQUISITES, COREQUISITES AND REGISTRATION CONTROLS WILL BE ENFORCED FOR ALL COURSE SECTIONS.

**MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE:**

PH.D. in Geomatics engineering or related engineering field

**WAC/GORDON RULE COURSE**

YES ___ NO ___

WAC/Gordon Rule criteria must be indicated in syllabus. Guidelines: www.fau.edu/WAC

Faculty contact, email and complete phone number:

Hongbo Su, suh@fau.edu, 561-297-3936

**GENERAL EDUCATION REQUIREMENT (MARK X IN FRONT OF SELECTION):**

- [ ] Written Communication  
- [ ] Mathematics/Quant. Reas.  
- [ ] Science/Natural World  
- [ ] Society/Human Behavior  
- [ ] Global Citizenship  
- [ ] Creative Expression

Must attach the appropriate General Education Course Approval Request: www.fau.edu/deanug/GeneralEdCourseApprovalRequests.php

Please consult and list departments that might be affected by the new course and attach comments.

Approved by:

Department Chair: [Signature]

College Curriculum Chair: [Signature]

College Dean: [Signature]

UUPC Chair: [Signature]

Undergraduate Studies Dean: [Signature]

UFS President: [Signature]

Date: 04/19/2015  
04/20/2015  
4/23/2015  
4/24/15  
5/8/15

1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: www.fau.edu/academic/registrar/UUPCInfo

2. Review Provost Memorandum: Definition of a Credit Hour  
www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf

3. WAC approval (attach if necessary)

4. Gen. Ed. approval (attach if necessary)

5. Consent of affected departments (attach if necessary)