



SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS
Authority to Offer an Existing Course

USD Arts & Sciences/Computer Science
Institution **Division/Department**

Elizabeth M. Freeburg 5/8/18
Institutional Approval Signature **Date**

1. Is this a request to offer an existing common course or an existing unique course (approval will change course status from unique to common)?

- Common Course
 Unique Course

2. Provide the complete description as it appears in the system database including pre-requisites and co-requisites.

Prefix & No.	Course Title	Credits
CSC 752	Computer Vision	3

Course Description
 Low-level processing for extraction of intrinsic image features (edges, range, surface orientation, motion and optical flow, texture), relaxation methods, image segmentation, pattern recognition, geometric and relational structures, knowledge representation, and neural network approaches.

- Course pre-requisites** Current CSC 751 to New None
 Registration restriction None to Instructor Permission Required

3. Universities currently offering this course (place an "X" in the appropriate boxes):

- BHSU DSU NSU SDSMT SDSU USD

4. Does Offering the Course Create FTE Implications? No

If no, Replacement of CSC 702 Elements of Computational Sciences (deletion form attached)
(prefix, number, name of course, credits)

Effective Date of Deletion: 2/28/2018

5. Does Offering the Course Create Schedule Management Implications? No

Explain: This course has been offered as CSC 792: Topics course

6. Existing program(s) in which course will be offered: M.S. in Computer Science

7. CIP Code for the course: 11.9999

8. Proposed instructional method by this university: D-Discussion/Recitation

9. Proposed delivery method by this university: 001-Face to face Term Based Instruction

10. University Dept. Code: UCSCI

11. Authority to offer effective beginning in what term? Fall 2018

12. Section Restriction: None

From: Riley, Kyle L.
Sent: Thursday, April 05, 2018 11:36 AM
To: Flores, Jose <Jose.Flores@usd.edu>
Subject: RE: Existing courses

Hello,

Thank you for your time. Our campus is fine with sharing as a common course CSC 752 and CSC 761 with your campus as described below. Thank you.

Kyle

From: Flores, Jose <Jose.Flores@usd.edu>
Sent: Thursday, April 5, 2018 10:32 AM
To: Riley, Kyle L. <Kyle.Riley@sdsmt.edu>
Subject: Existing courses

Dear Kyle,

Following our phone conversation, I like to make the formal request to teach these two exiting courses at your institution.

This is the description of both course in your web page. Besides your authorization to teach the courses, I like to confirm the pre-requisites are as posted in your department web page.

I thank you in advance for the consideration of this request.

1. CSC-752 Computer Vision (unique SDSMT)

We teach this course as CSC-792

Description:

Low-level processing for extraction of intrinsic image features (edges, range, surface orientation, motion and optical flow, texture), relaxation methods, image segmentation, pattern recognition, geometric and relational structures, knowledge representation, and neural network approaches.

Co-Requisites: None

Pre-Requisites: Permission of the instructor

University Pre-Requisites: SDSMT-None

2. CSC-761 Advance Machine Learning (unique SDSMT)

Description: The objective of this course is to provide students with a background in advanced artificial intelligence problem solving methods. Topics covered include: Expert systems, fuzzy logic and fuzzy expert systems, genetic algorithms, case- based reasoning, and current research work on new areas of problem solving.

Co-Requisites: None

Pre-Requisites: Permission of instructor

University Pre-Requisites: SDSMT-None

José

José D. Flores, PhD.

Interim-chair

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