



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

<u>USD</u>	<u>Arts &amp; Sciences/Computer Science</u>
<b>Institution</b>	<b>Division/Department</b>
<u>Elizabeth M. Freeburg</u>	<u>5/8/18</u>
<b>Institutional Approval Signature</b>	<b>Date</b>

**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 761	Adv Artificial Intelligence	3

Course 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.

**Pre-requisites or Co-requisites** None

**Registration restriction** Current None to New Instructor Permission Required

**3. Universities currently offering this course:**

- BHSU  DSU  NSU  SDSMT  SDSU  USD

**4. Does Offering the Course Create FTE Implications? No**

If no, Replacement of CSC-533 (deletion form submitted earlier this semester)  
 (prefix, number, name of course, credits)

Effective Date of Deletion: 2/28/2018

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

**Explain:** CSC-533 Computer Graphics has been deleted earlier this spring

**6. Existing program(s) in which course will be offered:** Master of Sciences

**7. CIP Code for the course:** 11.0701

**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](mailto: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](mailto:Jose.Flores@usd.edu)>  
**Sent:** Thursday, April 5, 2018 10:32 AM  
**To:** Riley, Kyle L. <[Kyle.Riley@sdsmt.edu](mailto: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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