SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS

Revised Course Request: Common Course
(Substantive Modifications)

Institution	Form Initiator	Dean's Approval Signature	Date
SDSU	Steve Hietpas	*Lewis Brown*	3/9/2018

Institution	Division/Department	Institutional Approval Signature	Date
SDSU	Jerome J. Lohr College of Engineering / Electrical Engineering & Computer Science	Dennis D. Hedge	5/8/2018
DSU	The Beacom College of Computer and Cyber Sciences	Richard A. Hanson	2/15/2018
SDSM&T	Mathematics and Computer Science	Kyle L. Riley	2/16/2018

Indicate universities that currently offer the common course:

☐ BHSU　　☒ DSU　　☐ NSU　　☒ SDSMT　　☒ SDSU　　☐ USD

Section 1. Existing Course Title and Description

Prefix & No.	Course Title	Credits
CSC 317	Computer Organization and Architecture	3

Course Description

A course in computer organization with emphasis on the hierarchical structure of computer systems. Covers such topics as: components of computer systems and their configuration, design of basic digital circuits, the microprogram level, the conventional machine level, the operating system level, assembly language, address modes, interpreters/translators, computer arithmetic.

Pre-requisites

University Prerequisites	Prefix & No. Course Title	Pre-Req/Co-Req?
DSU	CSC 314 Assembly Language	Pre-Req
SDSM&T	{CSC 251 Finite Structures} + {CSC 314 Assembly Language with a grade of C or better}	Pre-Req
SDSU	EE 245-245L Digital Systems and Lab	Pre-Req

Registration Restrictions

None

Section 2. Modification(s) Requested
2.1. This modification will include:

		Current		**New**
		DSU: CSC 314		
		SDSM&T: CSC 251 + CSC 314 with		
		a grade of C or better		
☒	**Pre-Requisites**	SDSU: EE 245-245L	to	CSC 314 ("C" or better)

Effective term of the change: Fall 2018

2.2. Add justification for all changes noted above:

> The SDSU Computer Science curriculum no longer requires EE 245-245L. This change will align the prerequisite requirements at DSU, SDSM&T, and SDSU.

Section 3. Other Course Information

Will this course equate (i.e., be considered the same course for degree completion) with any other unique or common courses in the common course database (Course Inventory Report)?

☐ Yes ☒ No

Section 4. Department and Course Codes (Completed by University Academic Affairs)

		Current		**New**
☐	**Change in University Department Code**	DCSCS, MMATH, SEECS	to	No Change
☐	**Change in CIP Code**	11.0701	to	No Change

From: Hamer, George
Sent: Thursday, February 15, 2018 11:31 AM
To: Riley, Kyle; Hanson, Richard
Cc: Hoffelt, Janell; Hietpas, Steven
Subject: Pre-requisite change for CSc 317

Gentlemen,

I have a request to change pre-requisites for the CSc 317 common course. We no longer require EE 245 and have replaced the course with CSc 244/244L and this presents a pre-requisite problem. I have been informed that BOR is looking down on different pre-requisites from different schools, so we are proposing that the new pre-requisite to CSc 317 be changed to CSc 314. All three schools currently have different pre-requisites and this would solve the problem.

Both Mines and DSU require CSc 314 currently, but Mines includes CSc 251 which is not taught at SDSU or DSU. SDSU currently requires EE 245/245L, but we no longer offer the course to CSc majors.

So, if we can all agree on CSc 314 ("C" of better), I will get the paperwork finished.

Thanks,
George

DSU Approval:
From: Hanson, Richard
Sent: Thursday, February 15, 2018 3:01 PM
To: Hamer, George; Riley, Kyle L.

Cc: Hoffelt, Janell; Hietpas, Steven
Subject: RE: Pre-requisite change for CSc 317

George, DSU is OK with these suggested changes.

DH

Richard A. Hanson, Ph.D.
Dean of The Beacom College of
Computer and Cyber Sciences
Assistant to the President for Strategic Projects
Dakota State University
Madison, SD   57042

SDSM&T Approval:
From: Riley, Kyle L.
Sent: Friday, February 16, 2018 10:11 AM
To: Hoffelt, Janell
Subject: RE: Pre-requisite change for CSC 317

Hello,

We support the use of C or better in CSC 314 as a prerequisite for CSC 317. Thank you.

Kyle