



**SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS**

New Course Request

SDSU	Jerome J. Lohr College of Engineering/Department of Construction and Concrete Industry Management
Institution	Division/Department
Dennis D. Hedge	4/24/2024
Institutional Approval Signature	Date

Section 1. Course Title and Description

Prefix & No.	Course Title	Credits
MNET 469	Immersive Experience in Surface Mount Technology	3
MNET 569	Immersive Experience in Surface Mount Technology	3

Course Description
This course provides hands-on experiences in using state of the art automated surface mount technology circuit board assembly. Students will be provided an opportunity to learn about printing, placement, reflow, and inspection processes. Control of process parameters, typical defects and how to correct them will be practiced.

MNET 469 Pre-requisites or Co-requisites

Prefix & No.	Course Title	Pre-Req/Co-Req?
MNET 467	Principles of Surface Mount Technology	Pre-Req

MNET 569 Pre-requisites or Co-requisites

Prefix & No.	Course Title	Pre-Req/Co-Req?
MNET 567	Principles of Surface Mount Technology	Pre-Req

Registration Restrictions

None

Section 2. Review of Course

2.1. Will this be a unique or common course?

Unique Course

Library and media support is adequate for this course as the topic is contained in IEEE journals and other journals presently available through the library.

9. Will the new course duplicate courses currently being offered on this campus? Yes No
10. If this course may be offered for variable credit, explain how the amount of credit at each offering is to be determined.
N/A