



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

New Course Request

SDSU	College of Pharmacy and Allied Health Professions / Department of Allied and Population Health
Institution	Division/Department
Dennis D. Hedge	12/17/2024
Institutional Approval Signature	Date

Section 1. Course Title and Description

Prefix & No.	Course Title	Credits
MLS 424	Foundations of Medical Immunology	2

Course Description

This course will provide foundational concepts related to immunology and serological methods relating to the medical laboratory.

Pre-requisites or Co-requisites

Prefix & No.	Course Title	Pre-Req/Co-Req?
None		

Registration Restrictions

Medical Laboratory Science major – Accelerated program

Section 2. Review of Course

2.1. Will this be a unique or common course?

Unique Course

Prefix & No.	Course Title	Credits
MLS 403	Diagnostic Immunology	3
MICR 439	Medical and Veterinary Immunology	3

Provide explanation of differences between proposed course and existing system catalog courses below:

While MLS 403 and MICR 439 are similar courses, they have important differences compared to the proposed course, MLS 424. MLS 403 is a full semester course intended for on-campus students that provides an overview of the Immune System, Important Infectious Diseases, and Advanced Immunological Diseases. MLS 424 will be a partial term course that includes specific content that sets up modular courses later in the same and future semesters. MLS 424 will provide the foundations of our immune system in diagnostic testing in all areas of the medical laboratory. MICR 439 is intended for Veterinary majors or Human Biology majors and is a more detailed approach to the immune system. The content for MICR 439 course is different than the proposed MLS 420, as these students need additional details of the immune system that will not pertain to medical laboratory science.

Section 3. Other Course Information

3.1. Are there instructional staffing impacts?

No. Schedule Management, explain below: The asynchronous online section of MLS 403 Diagnostic Immunology will be discontinued. This section was previously intended for Accelerated Pathway students but will no longer be necessary under the revised curriculum.

3.2. Existing program(s) in which course will be offered: Medical Laboratory Science (B.S.) – Accelerated Program

- 3.3. Proposed instructional method by university (as defined by AAC Guideline 5.4): R - Lecture
- 3.4. Proposed delivery method by university (as defined by AAC Guideline 5.5): 015 - Online Asynchronous
- 3.5. Term change will be effective: fall 2025
- 3.6. Can students repeat the course for additional credit? Yes, total credit limit: No
- 3.7. Will grade for this course be limited to S/U (pass/fail)? Yes No
- 3.8. Will section enrollment be capped? Yes, max per section: 24 No
- 3.9. 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 system database in Colleague and the Course Inventory Report? Yes No
- 3.10. Is this prefix approved for your university? Yes No

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

- 4.1. University Department: Allied and Population Health
- 4.2. Banner Department Code: SAPH
- 4.3. Proposed CIP Code: 51.1005

Is this a new CIP code for the university? Yes No

**NEW COURSE REQUEST
Supporting Justification for On-Campus Review**

Brad Laible	Brad Laible	10/31/2024
Request Originator	Signature	Date
James Amell	James Amell	10/31/2024
Department Chair	Signature	Date
Dan Hansen	Dan Hansen	10/31/2024
School/College Dean	Signature	Date

1. Provide specific reasons for the proposal of this course and explain how the changes enhance the curriculum.
 This course will enhance the MLS accelerated program curriculum as this will be one of the first classes the accelerated students will take. The foundations of immunology in this course will provide the knowledge accelerated students will need to move into hematology, immunohematology, microbiology, and molecular methods, as the immune system and its diagnostics are vital to diagnosis of patients. MLS 424 will provide an overview of the immune system, followed by the diagnostic tests that are used daily in the medical lab. These concepts are foundational and will be necessary as students move forward in the program.
2. Note whether this course is: Required Elective
3. In addition to the major/program in which this course is offered, what other majors/programs will be affected by this course?
None.
4. If this will be a dual listed course, indicate how the distinction between the two levels will be made.
N/A
5. Desired section size 24
6. Provide qualifications of faculty who will teach this course. List name(s), rank(s), and degree(s).
April Nelsen, Clinical Assistant Professor, PhD
7. Note whether adequate facilities are available and list any special equipment needed for the course.
The course will be taught online. All the facilities and equipment needed are available.
8. Note whether adequate library and media support are available for the course.
Existing library and media support resources are sufficient for this course.
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