



SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS
Substantive Program Modification Form

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|--------------------------------|--|
| UNIVERSITY: | USD |
| CURRENT PROGRAM TITLE: | Biomedical Sciences (Physician Scientist) (M.D./Ph.D.) [UMD.PS + UPHD.PS] |
| CIP CODE: | 51.1401 |
| UNIVERSITY DEPARTMENT: | Sanford School of Medicine |
| BANNER DEPARTMENT CODE: | UMED |
| UNIVERSITY DIVISION: | Sanford School of Medicine |
| BANNER DIVISION CODE: | 2M |

University Approval

To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.

Elizabeth M. Freeburg
10/12/2020

Vice President of Academic Affairs or
President of the University
Date

1. This modification addresses a change in:

- | | |
|---|--|
| <input type="checkbox"/> Total credits required within the discipline | <input type="checkbox"/> Total credits of supportive course work |
| <input type="checkbox"/> Total credits of elective course work | <input type="checkbox"/> Total credits required for program |
| <input type="checkbox"/> Program name | <input type="checkbox"/> Existing specialization |
| <input type="checkbox"/> CIP Code | <input checked="" type="checkbox"/> Other (explain below) |
- Grading system change for preclinical courses from A,B,C,D,F to S/U
 - Course additions that do not change the nature of the program, or distribution of courses in the program, or change of total credit hours required.
 - Revised courses in the program.

2. Effective date of change: 1/1/2021

3. Program Degree Level (place an "X" in the appropriate box):

Associate Bachelor's Master's Doctoral

4. Category (place an "X" in the appropriate box):

Certificate Specialization Minor Major

5. If a name change is proposed, the change will occur (place an "X" in the appropriate box):

- On the effective date for all students
- On the effective date for students new to the program (enrolled students will graduate from existing program)

Proposed new name:

Reminder: Name changes may require updating related articulation agreements, site approvals, etc.

6. Primary Aspects of the Modification (add lines or adjust cell size as needed):

Existing Curriculum

Proposed Curriculum (highlight changes)

| Prof. | Num | Title | Cr. Hrs. | Prof. | Num | Title | Cr. Hrs. |
|---|-----|--|----------|--|-----|--|-----------|
| Preclinical Coursework (Pillar 1) | | | | Preclinical Coursework (Pillar 1) | | | |
| IMC | 501 | Medical Foundations I | 12 | IMC | 501 | Medical Foundations I | 12 |
| IMC | 502 | Medical Foundations II | 8 | IMC | 502 | Medical Foundations II | 8 |
| IMC | 503 | Foundations Clinical Med I | 2 | IMC | 503 | Foundations Clinical Med I | 2 |
| IMC | 601 | Skin-Musculoskeletal Systems | 3 | IMC | 601 | Skin-Musculoskeletal Systems | 3 |
| IMC | 602 | Nervous System | 7 | IMC | 602 | Nervous System | 7 |
| IMC | 603 | Blood/hematopoietic/Lymph Systems | 3 | IMC | 603 | Blood/hematopoietic/Lymph Systems | 3 |
| IMC | 604 | GI & Hepatobiliary Systems | 4 | IMC | 604 | GI & Hepatobiliary Systems | 4 |
| IMC | 605 | Cardiovascular Systems | 5 | IMC | 605 | Cardiovascular Systems | 5 |
| IMC | 607 | Respiratory System | 4 | IMC | 607 | Respiratory System | 4 |
| IMC | 606 | Renal and Urinary Systems | 4 | IMC | 606 | Renal and Urinary Systems | 4 |
| IMC | 608 | Reproductive and Endocrine Systems | 6 | IMC | 608 | Reproductive and Endocrine Systems | 6 |
| IMC | 609 | Foundations Clinical Med II | 2 | IMC | 609 | Foundations Clinical Med II | 2 |
| IMC | 610 | Foundations Clinical Med III | 2 | IMC | 610 | Foundations Clinical Med III | 2 |
| | | | | Subtotal: | | | 62 |
| Research Phase | | | | Research Phase | | | |
| CPHD | 727 | Responsible Conduct of Biomedical Research | 1 | CPHD | 727 | Responsible Conduct of Biomedical Research | 2 |
| CPHD | 890 | Seminar | 5-7 | CPHD | 890 | Seminar | 5-7 |
| CPHD | 898 | Research | 15+ | CPHD | 898 | Research | 14+ |
| Electives | | | varies | Electives | | | varies |
| Total graduate credits for Research Phase | | | 55+ | Total graduate credits for Research Phase: | | | 55+ |
| Clinical Coursework (Pillar 2) | | | | Clinical Coursework (Pillar 2) | | | |
| | | | | PEDS | 713 | Pediatrics clerkship I | 2 |
| | | | | OGYN | 713 | Obstetrics and Gynecology Clerkship I | 2 |
| | | | | SURG | 713 | Surgery clerkship I | 2 |
| | | | | MEDC | 713 | Internal Medicine clerkship I | 2 |
| | | | | PTRY | 713 | Psychiatry clerkship I | 1 |
| | | | | NEUR | 713 | Neurology clerkship I | 1 |
| | | | | FAMP | 713 | Family Medicine clerkship I | 2 |
| | | | | IMC | 716 | Medical Knowledge II | 2 |
| | | | | IMC | 706 | Patient Care II | 2 |
| | | | | IMC | 721 | Professionalism II | 2 |
| | | | | IMC | 701 | Interpersonal and Communication Skills II | 2 |
| | | | | IMC | 711 | Practice-based learning and improvement II | 2 |
| | | | | IMC | 726 | Systems-based practice II | 2 |
| PEDS | 714 | Pediatrics | 4 | PEDS | 714 | Pediatrics clerkship II | 2 |
| OGYN | 714 | Obstetrics and Gynecology clerkship | 4 | OGYN | 714 | Obstetrics and Gynecology clerkship II | 2 |
| SURG | 714 | Surgery clerkship | 4 | SURG | 714 | Surgery clerkship II | 2 |
| MEDC | 714 | Internal Medicine clerkship | 4 | MEDC | 714 | Internal Medicine clerkship II | 2 |
| PTRY | 714 | Psychiatry clerkship | 3 | PTRY | 714 | Psychiatry clerkship II | 2 |
| NEUR | 724 | Neurology clerkship | 2 | NEUR | 714 | Neurology clerkship II | 1 |
| FAMP | 710 | Family Medicine clerkship | 4 | FAMP | 714 | Family Medicine clerkship II | 2 |
| IMC | 715 | Medical Knowledge | 4 | IMC | 715 | Medical Knowledge I | 2 |
| IMC | 705 | Patient Care | 4 | IMC | 705 | Patient Care I | 2 |
| IMC | 720 | Professionalism | 4 | IMC | 720 | Professionalism I | 2 |
| IMC | 700 | Interpersonal and Communication Skills | 4 | IMC | 700 | Interpersonal and Communication Skills I | 2 |
| IMC | 710 | Practice-based learning and improvement | 4 | IMC | 710 | Practice-based learning and improvement I | 2 |
| IMC | 725 | Systems-based practice | 4 | IMC | 725 | Systems-based practice I | 2 |
| RADI | 715 | Radiology | 1 | RADI | 715 | Radiology | 1 |
| IMC | 730 | Friday Academy | 1 | IMC | 730 | Friday Academy | 1 |
| NEUR | 705 | Clinical Ethics | 1 | NEUR | 705 | Clinical Ethics | 1 |
| IMC | 735 | Cultural Immersion Experience | 1 | IMC | 735 | Cultural Immersion Experience | 1 |
| | | | | Subtotal: | | | 53 |
| Clinical Coursework (Pillar 3) | | | | Clinical Coursework (Pillar 3) | | | |
| FAMP | 810 | Rural Family Medicine clerkship | 4 | FAMP | 810 | Rural Family Medicine clerkship | 4 |
| FAMP | 823 | Emergency Medicine | 3 | FAMP | 823 | Emergency Medicine | 3 |

| | | | | | | | |
|--|-----|--|------------|--|-----|--|------------|
| IMC | 801 | Transition to Residency | 1 | IMC | 801 | Transition to Residency | 1 |
| One of the following | | | | One of the following | | | |
| FAMP | 803 | Subinternship in Family Medicine | 4 | FAMP | 803 | Subinternship in Family Medicine | 4 |
| MEDC | 806 | Subinternship in Internal Medicine | 4 | MEDC | 806 | Subinternship in Internal Medicine | 4 |
| PEDS | 806 | Subinternship in Pediatrics Neonatal ICU | 4 | PEDS | 806 | Subinternship in Pediatrics Neonatal ICU | 4 |
| PTRY | 815 | Subinternship in psychiatry | 4 | PTRY | 815 | Subinternship in psychiatry | 4 |
| SURG | 806 | Surgery Sub-internship | 4 | SURG | 806 | Surgery Sub-internship | 4 |
| OGYN | 806 | Subintern in Obstetrics-Gynecology | 4 | OGYN | 806 | Subintern in Obstetrics-Gynecology | 4 |
| Two of the following surgical specialties | | | | Two of the following surgical specialties | | | |
| SURG | 824 | Anesthesiology | 2 | SURG | 824 | Anesthesiology | 2 |
| SURG | 825 | Otolaryn & Maxillofacial SG | 2 | SURG | 825 | Otolaryn & Maxillofacial SG | 2 |
| SURG | 830 | Neurosurgery | 2 | SURG | 830 | Neurosurgery | 2 |
| SURG | 822 | Ophthalmology | 2 | SURG | 822 | Ophthalmology | 2 |
| SURG | 823 | Orthopedic surgery | 2 | SURG | 823 | Orthopedic surgery | 2 |
| SURG | 821 | General urology | 2 | SURG | 821 | General urology | 2 |
| SURG | 833 | Plastic Surgery | 2 | SURG | 833 | Plastic Surgery | 2 |
| Other medical school electives | | | 35 | Other medical school electives | | | 35 |
| | | | | Subtotal: | | | 51 |
| Total number of hours required for degree | | | 221 | Total number of hours required for degree | | | 221 |

7. Explanation of the Change:

The Sanford school of medicine requests the following program changes.

1. Many Pillar 2 courses will split into 2 courses in order to allow appropriate semester-based grading within Banner. This request would take effect January 1st, 2021.

2. Pillar 1 and the first semester of Pillar 2 will move from letter grades (A,B,C,D,F) to satisfactory/unsatisfactory (S/U). According to the Association of American Medical Colleges (AAMC), as of 2019 there are no more than 17 medical schools that continue to use letter grades across the entire medical curriculum. This is especially true for the first two years of medical education, represented in our program by Pillar 1 and first semester Pillar 2. Pass-fail grading is the norm among American medical schools (see attached file AAMC data). This request has been reviewed and approved by the SSOM Medical Education Committee, Dean of Medical Student Education (Dean Mark Beard), the SSOM Dean and Vice President for Health Affairs (Dean/VP Timothy Ridgeway), and has the concurrence of our accrediting body, the Liaison Committee on Medical Education (LCME) (see attached correspondence AAMC_LCME Response). To avoid grading issues with the previous class, this change would take effect in a staggered manner as described in the corresponding course requests.