CURRICULUM COMMITTEE
September 26, 2014
Minutes

Present: Diane Brice, Claudie Biggers, Susan Burks, Tamara Clunis, Kim Davis, Kristin Edford, Dan Ferguson, Kim Hays, Alan Kee, Kristin McDonald-Willey, Jerry Moller, Carol Moore, Kelly Prater, Richard Pullen, Tamra Rocsko, Mark Rowh, Randall Sims and Lyndy Forrester

Absent: Matthew Goodman, Jason Norman, Delila Paredes, Kathy Wetzel

Others Present: Sammie Artho, Scott Rankin, Collin Witherspoon

WELCOME

Jerry Moller welcomed members. He explained the importance of the committee and members were strongly encouraged to attend every meeting and review distributed information in advance.

HEALTH SCIENCES
Dental Hygiene

Donna Cleere submitted a request to add the following courses to the course inventory:

- DHYG 1360: Clinical Dental Hygienist II
  Prerequisite: DHYG 1260
  A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional.
  (3 sem hrs;18 clinic)
  Learning Outcomes:
    - As outlined in the learning plan, apply the theory, concepts and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.
- DHYG 2260: Clinical Dental Hygienist III
  Prerequisite: DHYG 1360
  A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional.
  (2 sem hrs; 12 clinic)
  Learning Outcomes:
    - As outlined in the learning plan, apply the theory, concepts and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and

interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

- DHYG 2231: Dental Hygiene Care II
  Prerequisite: DHYG 2201
  A continuation of Dental Hygiene Care I. Dental hygiene care for the medically or dentally compromised patient including advanced instrumentation techniques.
  (2 sem hrs; 1 lec, 4 lab)
  Learning Outcomes:
    - Formulate a dental hygiene care plan for the medically and/or dentally compromised patient
    - Describe advanced instrumentation techniques.
- DHYG 1201: Orofacial Anatomy, Histology and Embryology
  The histology and embryology of oral tissues, gross anatomy of the head and neck, tooth morphology and individual tooth identification.
  (2 sem hrs; 1 lec, 4 lab)
  Learning Outcomes:
    - Identify the histological and embryological development of the orofacial structures
    - Label the major structures of the head and neck
    - Compare and contrast various teeth including the crown and root morphology.
- DHYG 1211: Periodontology
  Normal and diseased periodontium including the structural, functional and environmental factors. Emphasis on etiology, pathology, treatment modalities, and therapeutic and preventive periodontics.
  (2 sem hrs; 1 lec, 4 lab)
  Learning Outcomes:
    - Contrast normal and abnormal periodontium
    - Analyze the etiology and pathology of periodontal diseases
    - Differentiate treatment modalities used for therapy and prevention
    - Interpret periodontal assessment data to develop a dental hygiene care plan.
- DHYG 1219: Dental Materials
  Prerequisite: CHEM 1305 or department chair consent
  Physical and chemical properties of dental materials including the application and manipulation of the various materials used in dentistry.
  (2 sem hrs; 1 lec, 4 lab)
  Learning Outcomes:
    - Differentiate between the various types of dental materials and their respective properties
    - Manipulate materials used in dentistry.
- DHYG 1103: Preventive Dental Hygiene I

The role of the dental hygienist as a therapeutic oral health care provider with emphasis on concepts of disease management, health promotion, communication and behavior modification.
(1 sem hr; 1 lec)
Learning Outcomes:

- Describe the role of the dental hygienist as a therapeutic oral health care provider
- Develop and implement a patient education plan for mild periodontal disease
- Explain the concepts of disease management.

Update the following courses:

- DHYG 2360: Clinical-Dental Hygienist III to Clinical-Dental Hygienist IV
  Prerequisite: DHYG 2260
- DHYG 2201: Contemporary Dental Hygiene Care I to Dental Hygiene Care I
  (2 sem hrs; 1 lec, 4 lab)

Make the following changes to the Dental Hygiene AAS (DHYG.AAS) degree requirements:

- Replace PSYC 2301: General Psychology with PSYC 2319: Social Psychology in the Social/Behavioral Science requirements
- Add PHIL 2306: Introduction to Ethics as the Language, Philosophy & Culture/Creative Arts requirement
- Replace BIOL 2421: Microbiology for Science Majors with BIOL 2420: Microbiology for Non-Science Majors
- Replace CHEM 1406: General Organic & Biological Chemistry with CHEM 1305: Introductory Chemistry I
- Delete HITT 1305: Medical Terminology I
- Delete SOCI 1301: Introduction to Sociology
- Replace DHYG 1227: Preventive Dental Hygiene Care with DHYG 1103: Preventive Dental Hygiene I
- Replace DHYG 1301: Orofacial Anatomy, Histology and Embryology with DHYG 1201: Orofacial Anatomy, Histology and Embryology
- Replace DHYG 1311: Periodontology with DHYG 1211: Periodontology
- Replace DHYG 1319: Dental Materials with DHYG 1219: Dental Materials
- Replace DHYG 1261: Clinical-Dental Hygienist II with DHYG 1360: Clinical-Dental Hygienist II
- Replace DHYG 2360: Clinical-Dental Hygienist III with DHYG 2260: Clinical-Dental Hygienist III
- Replace DHYG 2361: Clinical-Dental Hygienist IV with DHYG 2360: Clinical-Dental Hygienist IV
- Replace DHYG 2331: Contemporary Dental Hygiene Care II with DHYG 2231: Dental Hygiene Care II

- Reduce the program total from 72 to 60 semester hours

Hays moved, seconded by Brice to approve the changes to the Dental Hygiene program. The motion carried.

Medical Laboratory Technology

Jan Martin submitted a request to add the following courses to the course inventory:

- MLAB 1572: Hematology/Coagulation
  Prerequisite: Admission in the MLAB Program
  Corequisite: MLAB 1201
  The study of blood cells in normal and abnormal conditions. Instruction in the theory and practical application of hematology procedures, including quality control, quality assurance, safety, manual and/or automated methods, as well as blood cell maturation sequences, and normal and abnormal morphology with associated diseases. In addition, instruction in coagulation theory, procedures and practical applications. Includes quality control, quality assurance, safety and laboratory procedures which rely on commonly performed manual and/or semi-automated methods.
  (5 sem hrs; 3 lec, 8 lab)
  Learning Outcomes:
    - Apply principles of safety, quality assurance and quality control in Hematology and Coagulation
    - Evaluate specimen acceptability
    - Explain principles and procedures of hematology and coagulation tests to include sources of error
    - Perform basic laboratory hematology and coagulation analysis
    - Evaluate normal and abnormal cell morphology and correlate with associated diseases
    - Compare and contrast hematology and coagulation laboratory test results with physiologic processes and correlate with normal and abnormal human conditions
    - Select additional procedures to be performed.
- MLAB 2573: Immunology/Immunohematology
  Corequisite: MLAB 1211
  An introduction to the theory and application of basic immunology, including the immune response, principles of antigen-antibody reactions, and the principles of serological procedures as well as quality control, quality assurance and safety. In addition, a study of blood antigens and antibodies. Includes the principles, procedures and clinical significance of test results in genetics, blood group systems, pre-transfusion testing, adverse effects of transfusions, donor selection and components, and hemolytic disease of the newborn.
  (5 sem hrs; 3 lec, 8 lab)
  Learning Outcomes:
    - Describe blood group genetics, characteristics of the blood group systems, and the principles of immunology as they relate to immunohematology

    - List the requirements for the donation of blood, and describe the collection, preparation, storage, and use of blood components
    - Apply principles of safety, quality assurance and quality control in Immunology and Immunohematology
    - Evaluate specimen acceptability
    - Describe the principals involved in the immune response
    - Identify the structure, function and characteristics of immunoglobulins
    - Explain the principles of, and perform, immunologic and immunohematology tests and evaluate and correlate test results with associated diseases or conditions
    - Select additional procedures to be performed.
- MLAB 1231: Parasitology/Mycology
  Corequisites: MLAB 2267 and MLAB 2232
  A study of the taxonomy, morphology and pathogenesis of human parasites and fungi, including the practical application of laboratory procedures, quality control, quality assurance and safety.
  (2 sem hrs; 1 lec, 4 lab)
  Learning Outcomes:
    - Apply principles of safety, quality assurance and quality control
    - Evaluate specimen acceptability
    - Describe basic morphology and physiology of parasites and fungi
    - Classify parasites and fungi
    - Perform appropriate laboratory techniques used in the processing of specimens and identification of parasites and fungi
    - Evaluate and correlate test results with patient condition(s).
- MLAB 2232: Seminar in Medical Laboratory Technology
  Corequisites: MLAB 1231 and MLAB 2267
  Designed to reinforce didactic information with laboratory methodologies and to allow exploration of advanced techniques in medical laboratory technology.
  (2 sem hrs; 1 lec, 3 lab)
  Learning Outcomes:
    - Correlate the patient aspects of disease states
    - Analyze critical data
    - Explain the integration between the various laboratory disciplines
    - Describe the mechanics and functions of Laboratory Information Systems
    - Assess the various aspects of HIPPA as they relate to electronic medical records
- MLAB 2434: Clinical Microbiology
  Prerequsite: MLAB 2573
  Instruction in the theory, practical application, and pathogenesis of clinical microbiology, including collection, quality control, quality assurance, safety, setup, identification, susceptibility testing and reporting results.
  (4 sem hrs; 2 lec, 6 lab)
  Learning Outcomes:

    - Apply principles of safety, quality assurance and quality control in Clinical Microbiology
    - Evaluate specimen acceptability
    - Describe morphology and physiology of microbes
    - Identify and classify microorganisms
    - Demonstrate sterile technique
    - Perform and interpret antimicrobial susceptibility testing
    - Select additional procedures based on preliminary results; and correlate test results with patient condition(s)
- PLAB 1164: Practicum – Phlebotomy/Phlebotomist
  Prerequisite: PLAB 1223
  Practical, general workplace training supported by an individualized learning plan developed by the employer, college and student.
  (1 sem hr; 7 practicum)
  Learning Outcomes:
    - As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Update the following courses:

- MLAB 1201: Introduction to Clinical Laboratory Science
  ~~Prerequisite: Admission in the MLAB Program~~
  Introduction to medical laboratory science, structure, equipment and philosophy.
  (2 sem hrs; 2 lec, 1 lab)
  Learning Outcomes:
    - Perform laboratory math
    - Identify laboratory equipment
    - Describe quality control, safety, accreditation, certification, professionalism and ethics
    - Review and perform basic point-of-care testing.
- MLAB 2266: Practicum I
  Prerequisite: ~~MLAB 2534~~ MLAB 2434
- MLAB 2501: Clinical Chemistry
  An introduction to the principles, procedures, physiological basis and significance of testing performed in Clinical Chemistry. Includes quality control, reference values and safety.
  (5 sem hrs; 4 lec, 4 lab)
  Learning Outcomes:
    - Apply principles of safety, quality assurance and quality control in Clinical Chemistry

    - Evaluate specimen acceptability for chemical analysis
    - Compare and contrast human body chemistry levels under normal and abnormal conditions
    - Explain, perform and evaluate clinical chemistry procedures and correlate test results with patient conditions.
- MLAB 2472: Seminar II
  Prerequisites: ~~MLAB 1331, MLAB 2267 and MLAB 2271~~ Completion of all MLAB Curriculum Requirements
- PLAB 1223: Phlebotomy
  Corequisites: ~~PLAB 1163 and MLAB 1211~~

Delete the following courses from the course inventory:

- MLAB 1227: Coagulation
- MLAB 1415: Hematology
- MLAB 1235: Immunology/Serology
- MLAB 2431: Immunohematology
- MLAB 1331: Parasitology/Mycology
- MLAB 2271: Seminar I
- MLAB 2534: Microbiology
- PLAB 1163: Clinical- Phlebotomy/Phlebotomist

Make the following changes to the Medical Laboratory AAS (MLAB.AAS) degree:

- Remove the following courses:
    - Chemistry
    - BIOL 2402: Human Anatomy and Physiology II
    - MLAB 1227: Coagulation
    - MLAB 2271: Seminar I
    - MLAB 2501: Chemistry
    - PLAB 1163: Clinical – Phlebotomy/Phlebotomist
- Add the following courses:
    - MLAB 1321: Parasitology/Mycology
    - MLAB 1572: Hematology/Coagulation
    - MLAB 2232: Seminar in Medical laboratory Technology
    - MLAB 2434: Clinical Microbiology
    - MLAB 2573: Immunology/Immunohematology
    - PLAB 1164: Practicum – Phlebotomy/Phlebotomist
- Reduce the program total from 72 to 60 semester hours

Pullen moved, seconded by Edford to approve the changes to the Medical Laboratory Technology program. The motion carried.

Mortuary Science

Scott Rankin submitted a request to add the following courses to the course inventory:

- MRTS 1191: Special Topics in Funeral Service and Mortuary Science
  Prerequisite: Program Director consent
  Topics address recently identified current events, skills, knowledges and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.
  (1 sem hr; 1 lec)
  Learning Outcomes:
    - Learning outcomes/objectives are determined by local occupational need and business and industry trends.
- MRTS 1260: Clinical - Funeral Service and Mortuary Science, General
  Prerequisite: MRTS 1310
  Corequisite: MRTS 2342
  A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Focus and emphasis in this clinical experience will be concentrated in the area of funeral home management and funeral directing.
  (2 sem hrs; 1 lec, 8 clinic)
  Learning Outcomes:
    - As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.
- MRTS 2260: Clinical – Funeral Service and Mortuary Science, General
  Prerequisites: MRTS 1310 and MRTS 1260
  Corequisites: MRTS 2432 and MRTS 2244
  A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Focus and emphasis in the portion of clinical experience will be concentrated in the area of embalming and restorative technique.
  (2 sem hrs; 1 lec, 8 clinic)
  Learning Outcomes:
    - As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.
- MRTS 1225: Thanatochemistry

Prerequisite: College-level mathematics course
A survey of the basic principles of chemistry as they relate to funeral service. The chemical principles and precautions involved in sanitation, disinfection, public health and embalming practice will be stressed. The government regulation of chemicals currently used in funeral service is reviewed.
(2 sem hrs; 2 lec)
Note: Designed for non-science majors, allied health students and specifically mortuary science majors.
Learning Outcomes:

- State selected facts of general chemistry as a basis for studying organic and biochemistry
- List the potentially harmful chemicals used in the preparation room and their regulations
- Specify representative chemicals in embalming fluids (arterial, cavity and accessory) and give their respective functions
- Give the essential characteristics of autolysis, fermentation and putrefaction in the area of chemistry of decomposition
- Identify the characteristic features of solutions, suspensions, emulsions and the processes of diffusions
- Give the essential characteristics of carbohydrates, lipids and protein in the area of basic biochemistry
- Define organic chemistry and describe the characteristic features of organic compounds.

- MRTS 2244: Technical Procedures I
  Prerequisite: HITT 1305
  Corequisites: MRTS 2360 and MRTS 2432
  Introduction to the fundamentals in the preservation, disinfection and restoration of human remains. Presentation of treatment planning and application in preparation for professional practice. If this course is offered online, it is an enhanced online course that requires students to come to Amarillo during the semester for an on-site lab. Students should be prepared to be in lab at their expense, M-F 8am to 5pm for one week. No exceptions will be made to the required lab.
  (2 sem hrs; 2 lec, 2 lab)
  Learning Outcomes:
  - Explain concepts of preservation, disinfection and restoration
  - Performing embalming techniques and procedures
  - Discuss treatment of special cases involving trauma and diseases
  - Identify medico-legal, ethical and regulatory issues.

- MRTS 2246: Technical Procedures II
  Prerequisites: MRTS 2360, MRTS 2244 and MRTS 2432
  A continuation of Technical Procedures I. Introduction of additional topics on treatment planning and application. If this course is offered online, it is an enhanced online course that requires students to come to Amarillo during the semester for an on-site lab.

Students should be prepared to be in lab at their expense, M-F 8am to 5pm for one week. No exceptions will be made to the required lab.
(2 sem hrs; 2 lec, 2 lab)
Learning Outcomes:

- Relate norms to select cases
- Explain color theories
- Demonstrate skill in selection and application of media
- Justify restorative procedures.

Delete the following courses from the course inventory:

- MRTS 1325: Thanatochemistry
- MRTS 1360: Funeral Service Clinical I
- MRTS 1391: Special Topics in Funeral Service and Mortuary Science
- MRTS 2360: Funeral Service Clinical II
- MRTS 2445: Technical Procedures I
- MRTS 2447: Technical Procedures II

Make the following changes to the Mortuary Science Certificate (MRTS.CERT):

- Delete the following courses:
  - MRTS 1360: Funeral Service Clinical I
  - MRTS 1291: Special Topics
    Or
    MRTS 1391: Special Topics
  - BIOL 2401: Human Anatomy & Physiology I
  - HITT 1305: Medical Terminology
- Add the following courses:
  - MRTS 1260: Clinical – Funeral Service and Mortuary Science, General
  - MRTS 1191: Special Topics
    Or
    MRTS 1291: Special Topics
- Reduce program total from 41-42 to 32-33 semester hours

Make the following changes to the Mortuary Science AAS degree (MRTS.AAS):

- Delete the following courses:
  - MRTS 1325: Thanatochemistry
  - MRTS 1360: Funeral Service Clinical I
  - MRTS 1391: Special Topics
  - MRTS 2360: Funeral Service Clinical II
  - MRTS 2445: Technical Procedures I
  - MRTS 2447: Technical Procedures II
  - BIOL 2401: Human Anatomy & Physiology I
- Add the following courses:

    - MRTS 1225: Thanatochemistry
    - MRTS 1260: Clinical
    - MRTS 1291: Special Topics
    - MRTS 2260: Clinical
    - MRTS 2244: Technical Procedures I
    - MRTS 2246: Technical Procedures
- Reduce the program total from 72 to 60 semester hours

Ferguson moved, seconded by Davis to approve the changes to the Mortuary Science program. The motion carried.

Nuclear Medicine

Tamra Rocsko submitted a request to add the following courses to the course inventory:

- NMTT 1201: Introduction to Nuclear Medicine
  Introduction to the field of nuclear medicine with emphasis on the principles of radiation safety, health physics and the various studies performed in a nuclear medicine area.
  (2 sem hrs; 1 lec, 3 lab)
  Learning Outcomes:
    - Summarize the history and development of nuclear medicine
    - Apply basic math and science concepts needed for the application of nuclear medicine in radiation safety and instrumentation
    - Explain the principles and employ the methodologies of radiation safety and health physics
    - Discuss studies and procedures performed in a nuclear medicine clinic.
- NMTT 2201: Radiochemistry & Radiopharmacy
  Prerequisite: CHEM 1305 or equivalent
  Basic concepts of radiochemistry and radiopharmacy including the atomic structure, radioactive decay and production of various radionuclides. Emphasis on radiopharmaceuticals and their ideal characteristics, biodistribution and clinical applications; the various dosage forms in which they may be dispensed; quality control tests; and their formation and dispensing.
  (2 sem hrs; 1 lec, 3 lab)
  Learning Outcomes:
    - Analyze the concepts of radiopharmacy
    - Explain atomic structures and electronic configuration of atoms
    - Describe various methods of radionuclide production and radiolabeling
    - Interpret the mechanism of localization of various radiopharmaceuticals
    - Cite quality control tests of various radiopharmaceuticals
    - Identify radiation safety practices
    - Relate federal and state regulations governing the use of radiopharmaceuticals.
- NMTT 2209: Nuclear Methodology I
  Prerequisite: NMTT 1313

Focus on the basic principles involved in all diagnostic and therapeutic tests and procedures normally found in a nuclear medicine facility with emphasis on anatomy, physiology, pathology, radiopharmaceuticals, instrumentation, data analysis and diagnostic value. Includes the cardiovascular, respiratory and genitourinary systems; inflammatory processes; tumors; and radionuclide therapy; and miscellaneous procedures.
(2 sem hrs; 2 lec)
Learning Outcomes:

- Identify the most common reasons for ordering each study (pathology for which nuclear medicine procedures are of diagnostic value)
- List clinical findings that are consistent with the suspected pathology
- Describe the historical and current radiopharmaceuticals used for each study
- Cite any procedures and/or substances that may interfere with the performance of a valid test
- Explain any contraindications or adverse reactions associated with the study; and outline any associated patient preparation; specify equipment required for valid performance of the study; summarize the entire test procedure; discuss technical pitfalls associated with the study and methods of preventing and/or correcting technical problems associated with the study; relate possible alterations in the routine procedure; and identify normal and abnormal patterns of radiopharmaceutical distribution on typical studies

- NMTT 2274: Nuclear Methodology II
  Prerequisite: NMTT 2209
  Focus on the basic principles involved in all diagnostic and therapeutic tests and procedures normally found in a nuclear medicine facility with emphasis on anatomy, physiology, pathology, radiopharmaceuticals, instrumentation, data analysis and diagnostic value. Includes the cardiovascular, respiratory and lymphatic systems; the adrenal and parathyroid glands; tumors; and inflammatory processes; and miscellaneous procedures.
  (2 sem hrs; 2 lec)
  Learning Outcomes:
  - Identify the most common reasons for ordering each study (pathology for which nuclear medicine procedures are of diagnostic value)
  - List clinical findings that are consistent with the suspected pathology
  - Describe the historical and current radiopharmaceuticals used for each study
  - Cite any procedures and/or substances that may interfere with the performance of a valid test
  - Explain any contraindications or adverse reactions associated with the study
  - Outline any associated patient preparation
  - Specify equipment required for valid performance of the study
  - Summarize the entire test procedure
  - Discuss technical pitfalls associated with the study and methods of preventing and/or correcting technical problems associated with the study
  - Relate possible alterations in the routine procedure

    - Identify normal and abnormal patterns of radiopharmaceutical distribution on typical studies.
- NMTT 2166: Practicum IV
  Prerequisite: NMTT 2266
  Practical, general workplace training supported by an individualized learning plan developed by the employer, college and student.
  (1 sem hr; 10 practicum)
    - Learning Outcomes
      As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.
- NMTT 2167: Practicum V
  Prerequisite: NMTT 2166
  Practical, general workplace training supported by an individualized learning plan developed by the employer, college and student.
  (1 sem hr; 10 practicum)
  Learning Outcomes:
    - As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Make the following changes to the Nuclear Medicine AAS degree (NMTT.AAS.NM):

- Delete the following courses:
    - RADR 2240: Sectional Anatomy Medical Imaging
    - NMTT 1301: Introduction to Nuclear Medicine
    - NMTT 2301: Radiochemistry & Radiopharmacy
    - NMTT 2309: Nuclear Methodology II
    - NMTT 2313: Nuclear Methodology III
    - NMTT 2366: Practicum IV
    - NMTT 2367: Practicum V
    - NMTT 2267: Practicum VI
- Add the following courses:
    - NMTT 1201: Introduction to Nuclear Medicine
    - NMTT 2201: Radiochemistry & Radiopharmacy
    - NMTT 2209: Nuclear Methodology I

    - NMTT 2274: Nuclear Methodology II
    - NMTT 2166: Practicum IV
    - NMTT 2167: Practicum V
- Reduce the program total from 72 to 60 semester hours

Ferguson moved, seconded Forrester by to approve the changes to the Nuclear Medicine program. The motion carried.

Physical Therapist Assistant

Kelly Jones submitted a request to add the following courses to the course inventory:

- PTHA 1161: Clinical II
  A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional.
  (1 sem hr; 4 clinic)
  Learning Outcomes:
    - As outlined in the learning plan, apply the theory, concepts and skills associated with the occupation.
- PTHA 1321: Pathophysiology for the PTA
  Study of the pathophysiology of diseases/conditions encountered in physical therapy.
  (3 sem hrs; 3 lec)
  Learning Outcomes:
    - Describe the etiology, pathogenesis, signs/symptoms and treatments of selected diseases/conditions.
    - Identify the impact of the pathologies in physical therapy

Make the following course updates:

- PTHA1405: Basic Patient Care Skills
  (4 sem hrs; ~~3 lec, 3 lab~~ 3 lec, 4 lab)
- PTHA 1431: Physical Agents
  (4 sem hrs; ~~3 lec, 4 lab~~ 3 lec, 3 lab)

Make the following changes to the Physical Therapist Assistant degree (PTHA.AAS):

- Delete the following courses:
    - Mathematics – 3 hours
    - PTHA 1229: Applied Physical Principles
    - PTHA 2205: Neurology
    - PTHA 2301: Essentials of Data Collection
    - HITT 1305: Medical Terminology I
    - PSYC 2314: Lifespan Growth & Development
- Add the following courses:
    - PTHA 1161: Clinical II

    - PTHA 1321: Pathophysiology for the PTA
- Reduce the program total from 72 to 60 semester hours

Davis moved, seconded by Pullen to approve the changes to the Physical Therapist Assistant program. The motion carried.

Radiography

Becky Burton submitted a request to add the following courses to the course inventory:

- RADR 1311: Basic Radiographic Procedures
  An introduction to radiographic positioning terminology, the proper manipulation of equipment, positioning and alignment of the anatomic structure and equipment, and evaluation of images for proper demonstration of basic anatomy.
  (3 sem hours; 2 lec, 3 lab)
  Learning Outcomes:
    - Define radiographic positioning terms
    - Manipulate equipment
    - Perform basic level procedures in positioning
    - Align anatomic structures and equipment
    - Evaluate images.
- RADR 2301: Intermediate Radiographic Procedures
  Prerequisite: RADR 1311
  A continuation of the study of the proper manipulation of radiographic equipment, positioning and alignment of the anatomic structure and equipment, and evaluation of images for proper demonstration of anatomy.
  (3 sem hours; 2 lec, 3 lab)
  Learning Outcomes:
    - Manipulate equipment
    - Perform intermediate level procedures in positioning
    - Align anatomic structures and equipment
    - Evaluate images.
- RADR 2267: Practicum III
  Prerequisite: RADR 1167
  Practical, general workplace training supported by an individualized learning plan developed by the employer, college and student.
  (2 sem hr; 18 practicum)
  Learning Outcomes:
    - As outlined in the learning plan, apply the theory, concepts and skills involving specialized materials, tools, equipment, procedures, regulations, laws and interactions within and among political, economic, environmental, social and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

- RADR 2335: Radiologic Technology Seminar
  Prerequisites: RADR 2305 and RADR 2309
  A capstone course focusing on the synthesis of professional knowledge, skills and attitudes in preparation for professional employment and lifelong learning.
  (3 sem hrs; 3 lec)
  Learning Outcomes:
    - Demonstrate entry level proficiency in knowledge, skills and attitudes necessary for professional employment
    - Articulate the need for lifelong learning.

Make the following changes to the Radiography AAS degree (RADR.AAS):

- Delete the following courses:
  - RADR 1166: Practicum III
  - RADR 1411: Basic Radiographic Procedures
  - RADR 1250: Radiographic Image Evaluation II
  - RADR 2166: Practicum VI
  - RADR 2235: Radiologic Technology Seminar
  - RADR 2270: Principles of Radiologic Science
  - RADR 2401: Intermediate Radiographic Procedures
  - HITT 1305: Medical Terminology I
  - BIOL 2402: Human Anatomy and Physiology II
- Add the following courses:
  - RADR 1266: Practicum III
  - RADR 1311: Basic Radiographic Procedures
  - RADR 2301: Intermediate Radiographic Procedures
  - RADR 2335: Radiologic Technology Seminar
- Reduce the program total from 72 to 60 semester hours

Ferguson moved, seconded by Burks to approve the changes to the to the Radiography program. The motion carried.

Respiratory Care

Val Hansen submitted a request to add the following courses to the course inventory:

- RSPT 1307: Cardiopulmonary A&P
  Anatomy and physiology of the cardiovascular and pulmonary systems.
  (3 sem hrs; 3 lec)
  Learning Outcomes:
    - Explain normal pulmonary anatomy and physiology
    - Explain cardiovascular anatomy and physiology.
- RSPT 2147: Specialties in Respiratory Care
  Emerging and specialty practices in respiratory care.
  (1 sem hr; 1 lec)

Learning Outcomes:
    - Delineate the respiratory therapist's role in emerging and specialty practices.
- RSPT 2231: Simulations in Respiratory Care
  Theory of clinical simulation examinations. Includes construction types, scoring and mechanics of taking the computerized simulation examination.
  (2 sem hrs; 1 lec, 2 lab)
  Learning Outcomes:
    - Utilize clinical simulations to enhance information gathering and decision making skills.

Update the following courses:

- RSPT 2353: Neonatal/Pediatric Cardiopulmonary Care
  ~~(3 sem hrs; 3 lec)~~ (3 sem hrs; 2 lec, 2 lab)
  Learning Outcomes:
    - Describe fetal development and transition to extrauterine life
    - Assess maternal and fetal history
    - Modify therapy to neonatal/pediatric patients
    - Describe the etiology, pathophysiology, clinical manifestations and management of neonatal/pediatric disorders
    - Analyze, interpret and apply patient data in selective patient care settings.
- RSPT 2305:Pulmonary Diagnostics
  Prerequisite: RSPT 1411
- RSPT 2230: ~~Examination Preparation~~ Respiratory Care Examination Preparation

Delete the following courses:

- RSPT 1207: Cardiopulmonary A&P
- RSPT 2131: Clinical Simulations in Respiratory Care
- RSPT 2133: Respiratory Care Case Management
- RSPT 2139: Advanced Cardiac Life Support
- RSPT 2319: Mechanical Ventilation for the Neonatal/Pediatric Patient

Make the following changes to the Respiratory Care AAS degree (RSPT.AAS):

- Delete the following courses:
    - Mathematics – 3 hours
    - BIOL 2402: Human Anatomy & Physiology II
    - HITT 1305: Medical Terminology I
    - RSPT 2131: Clinical Simulations in Respiratory Care
    - RSPT 2133: Respiratory Care Case Management
    - RSPT 2139: Advanced Cardiac Life Support
    - RSPT 1207: Cardiopulmonary Anatomy & Physiology
    - RSPT 2230: Examination Preparation
    - RSPT 2319:Mechanical Ventilation for the Neonatal/Pediatric Patient

- Add the following courses:
    - RSPT 2147: Specialties in Respiratory Care
    - RSPT 2230: Respiratory Care Examination Preparation
    - RSPT 2231: Simulations in Respiratory Care
    - RSPT 1307: Cardiopulmonary Anatomy & Physiology
    - RSPT 2353: Neonatal/Pediatric Cardiopulmonary Care
- Update the program total from 72 to 60 semester hours

Burks moved, seconded by Kee to approve the changes to the Respiratory Care program. The motion carried.

Surgical Technology

Lisa Holdaway submitted a request to make the following change to the Surgical Technology AAS degree (SRGT.AAS):

- Replace BIOL 2421: Microbiology for Science Majors with BIOL 2420: Microbiology for Non-Science Majors

Ferguson moved, seconded by Kee to approve the changes to the Surgical Technology AAS degree. The motion carried.

NURSING
ADN Nursing

Richard Pullen submitted a request to add the following courses to the course inventory:

- RNSG 1151: Care of the Childbearing Family
  Study of concepts related to the provision of perinatal nursing care for childbearing families. Content includes knowledge judgment, skills and professional values within a legal/ethical framework. This course lends itself to a blocked approach.
  (1 sem hr; 1 lec, 1 lab)
  Learning Outcomes:
    - Identify an ethical-legal framework and applicable professional standards of nursing practice.
    - Identify avenues for personal and professional development in nursing practice.
    - Describe characteristics of quality nursing care and ways to promote the nursing profession.
    - Acquire foundational knowledge, skills, and attitudes required to assist in the promotion, maintenance, and restoration of health of patients and their families.
    - Identify components of a systematic process and clinical reasoning required to provide holistic patient-centered care.
    - Identify basic psychosocial and common cultural needs of patients and families.
    - Identify the basic principles of health teaching for patients and families.
    - Demonstrate competency in the performance of basic nursing skills in a laboratory setting.

- Discuss compassionate behaviors and appropriate communication skills for the care of diverse patients and families.
- Identify the role of community resources in meeting the needs of patients and families for comprehensive, quality care.
- Explain the relationship of evidence-based practice to safety and quality in patient care.
- Identify federal, state, and local governmental requirements for patient safety.
- Identify the role and responsibilities of the professional nurse in providing holistic patient centered care.
- Recognize appropriate communication skills for interacting with other health care team members.
- Identify the various types of technology used in patient care.
- Identify the role of the professional nurse in coordination of holistic patient-centered care.

- RNSG 1160: Clinical – Care of the Childbearing Family
  A health-related work based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional.
  (1 sem hr; 3 clinical)
  Learning Outcomes:
  - Utilize an ethical-legal framework and applicable professional standards in caring for childbearing families
  - Utilize personal strengths in the care of childbearing family.
  - Implement quality nursing care practices for the childbearing family.
  - 4Function with increased confidence and skill to assist in the promotion, maintenance and restoration of health of the childbearing family.
  - Utilize a systematic process and clinical reasoning to provide holistic patient-centered care for childbearing patients and their families.
  - Apply nursing concepts specific to meeting unique psychosocial needs of the
  - childbearing family.
  - Demonstrate the principles of health teaching for the childbearing patient and family.
  - Utilize basic nursing skills in the care of the childbearing patient and family.
  - Utilize effective communication skills and compassionate behaviors when interacting with diverse childbearing patients and families.
  - Identify community resources in meeting the needs of childbearing patients and families.
  - Incorporate evidence-based practice data from current literature to improve safety and quality of care for childbearing patients and families.
  - Demonstrate knowledge of governmental and organizational accreditation requirements and professional standards for safety as it pertains to the childbearing family.
  - Participate with the interdisciplinary team to provide holistic patient-centered care to childbearing patients and families.

- Demonstrate appropriate communication skills while interacting with other health care team members in the care of childbearing patients and families.
- Utilize current technology in the efficient management of holistic patient-centered care for childbearing patients and families.
- Assume the professional nursing role within the health care team while providing care to childbearing patients and their families.

- RNSG 1309: Introduction to Nursing
  A health-related work based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional.
  (3 sem hr; 3 lec, 3 lab)
  Learning Outcomes:
  - Identify an ethical-legal framework and applicable professional standards of nursing practice.
  - Identify avenues for personal and professional development in nursing practice.
  - Describe characteristics of quality nursing care and ways to promote the nursing profession.
  - Acquire foundational knowledge, skills, and attitudes required to assist in the promotion, maintenance, and restoration of health of patients and their families.
  - Identify components of a systematic process and clinical reasoning required to provide holistic patient-centered care.
  - Identify basic psychosocial and common cultural needs of patients and families.
  - Identify the basic principles of health teaching for patients and families.
  - Demonstrate competency in the performance of basic nursing skills in a laboratory setting.
  - Discuss compassionate behaviors and appropriate communication skills for the care of diverse patients and families.
  - Identify the role of community resources in meeting the needs of patients and families for comprehensive, quality care.
  - Explain the relationship of evidence-based practice to safety and quality in patient care.
  - Identify federal, state, and local governmental requirements for patient safety.
  - Identify the role and responsibilities of the professional nurse in providing holistic patient centered care.
  - Recognize appropriate communication skills for interacting with other health care team members.
  - Identify the various types of technology used in patient care.
  - Identify the role of the professional nurse in coordination of holistic patient-centered care.
- RNSG 2101: Care of Children and Families
  Study of concepts related to the provision of nursing care for children and their families, emphasizing judgment and professional values within a legal/ethical framework. Health

promotion, maintenance and restoration as well as growth and development are emphasized. This course lends itself to a blocked approach.
(1 sem hr; 1 lec, 1 lab)

Learning Outcomes:

- Discuss ethical-legal frameworks and applicable professional standards and requirements in caring for children and families.
- Assume accountability for own personal and professional development in pediatric nursing practice.
- Determine activities that promote the development and practice of pediatric professional nursing.
- Develop with increased confidence a plan to assist in the promotion, maintenance, and restoration of health of children and families.
- Discuss a systematic process using clinical reasoning to provide holistic patient-centered care for children and families in acute and well-child settings.
- Compare nursing concepts and skills to meet the unique psychosocial needs of children and families.
- Develop a health teaching plan in the care of children of all developmental stages and their families.
- Identify basic and advanced nursing skills used in the care of pediatric patients in acute and well-child settings.
- Discuss compassionate behaviors and appropriate communication skills in the care of diverse children and their families.
- Identify community resources in meeting the needs of children and their families.
- Review evidence-based practice data appropriate for safety and quality in pediatric patient care.
- Discuss governmental and organizational requirements and professional standards related to age-specific pediatric patient safety situations.
- Compare other discipline roles in the provision of holistic patient-centered care to children and families.
- Discuss appropriate communication skills with other health care team members providing care for children and families.
- Compare information systems and technology in the efficient management of holistic patient-centered care for children and families.
- Discuss the profession al nursing role of providing care to children and families within the health care team.

- RNSG 2160: Clinical – Care of Children and Families
  A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional.
  (1 sem hr; 1 clinical)
  Learning Outcomes:
  - Incorporate an ethical-legal framework and applicable professional standards and requirements in caring for children and families.

    - Evaluate own personal and professional development in pediatric nursing practice.
    - Participate in activities that promote the development and practice of pediatric professional nursing.
    - Function with increased confidence and skill to assist in the promotion, maintenance, and restoration of health of children and families.
    - Utilize a systematic process and clinical reasoning to provide holistic patient-centered care for children and families in acute and well-child settings.
    - Apply nursing concepts and skills to meet the unique psychosocial needs of children and families.
    - Demonstrate the principles of health teaching in the care of children of all developmental stages and their families.
    - Utilize basic and advanced nursing skills in the care of pediatric patients in acute and well-child settings.
    - Demonstrate compassionate behaviors and appropriate communication skills in the care of diverse children and their families.
    - Identify community resources in meeting the needs of children and their families.
    - Incorporate evidence-based practice data to promote safety and quality in pediatric patient care.
    - Apply knowledge of governmental and organizational requirements and professional standards to age-specific pediatric patient safety situations.
    - Participate with other disciplines to provide holistic patient-centered care to children and families.
    - Demonstrate appropriate communication skills with other health care team members providing care for children and families.
    - Utilize information systems and technology in the efficient management of holistic patient-centered care for children and families.
    - Assume the professional nursing role within the health care team while providing care to children and families.

Delete the following courses from the course inventory:

- RNSG 1110: Introduction to Community-Based Nursing
- RNSG 1115: Health Assessment
- RNSG 1209: Introduction to Nursing
- RNSG 1251: Care of Childbearing Family
- RNSG 1260: Clinical: Care of Childbearing Family
- RNSG 2163: Clinical: Introduction to Community-Based Nursing
- RNSG 2201: Care of Children and Families
- RNSG 2260: Clinical: Care of Children and Families

Make the following changes to the ADN Nursing AAS degree (RNSG.AAS):

- Delete the following courses:
    - Mathematics – 3 hours

    - RNSG 1110: Introduction to Community Based Nursing
    - RNSG 1115: Health Assessment
    - RNSG 1209: Introduction to Nursing
    - RNSG 1251: Care of Childbearing Family
    - RNSG 1260: Clinical – Care of Childbearing Family
    - RNSG 2163: Clinical – Introduction to Community Based Nursing
    - RNSG 2201: Care of Children & Families
    - RNSG 2260: Clinical – Care of Children & Families
    - HITT 1305: Medical Terminology I
- Add the following courses:
    - RNSG 1151: Care of Childbearing Family
    - RNSG 1160: Clinical – Care of Childbearing Family
    - RNSG 1309: Introduction to Nursing
    - RNSG 2101: Care of Children & Families
    - RNSG 2160: Clinical – Care of Children & Families
- Reduce the program total from 72 to 60 semester hours

Kee moved, seconded by Davis to approve the changes to the ADN Nursing program. The motion carried.

LIBERAL ARTS
ACGM Courses

Dan Ferguson submitted a request to remove the following courses from the course inventory because they have been removed from the ACGM:

- COMM 2220: Television Workshop
- GREE 1411: Greek I
- GREE 1412: Greek II
- HECO 1101: Diet Therapy
- MUSI 1391: Electronic Music II
- MUSI 2157: Opera Workshop
- MUSI 2158: Opera Workshop
- SPAN 1311: Introduction to Spanish I
- SPAN 1312: Introduction to Spanish II

Burk moved, seconded by Kee to approve the changes to the Liberal Arts ACGM courses. The motion carried.

Music

Steve Weber submitted a request to update the following course descriptions:

- MUSI 1308:Introduction to Music Literature
  Survey of the principal musical forms and cultural periods as illustrated in the literature of major composers.

- MUSI 1309: Introduction to Music Literature
  Survey of the principal musical forms and cultural periods as illustrated in the literature of major composers.

Kee moved, seconded by Burk to approve the changes to MUSI 1308 and MUSI 1309. The motion carried.

STEM
ACGM Courses

Kathy Wetzel submitted a request to remove the following courses from the course inventory because they have been removed from the ACGM:

- ARCH 2202: Design Communication II
- BCIS 2431: Visual Basic Programming
- BIOL 2428: Vertebrate Anatomy
- CHEM 1419: Introductory Organic Chemistry
- CHEM 2223: Organic Chemistry I Laboratory
- CHEM 2225: Organic Chemistry II Laboratory
- COSC 1317: Computer Programming for Engineers and Scientists
- COSC 2430: Programming Techniques and Logic Design II
- FORS 2440: Forensic Science I
- FORS 2450: Forensic Science II
- MATH 1348: Analytic Geometry

Hays moved, seconded by Pullen to approve the changes to the Liberal Arts ACGM courses. The motion carried.

Computer Information Systems

Carol Buse submitted a request to delete the following courses from the course inventory:

- ITSC 1401: Introduction to Computers
- ITSC 2431: Integrated Software Applications III
- ITSE 1422: Introduction to C Programming
- ITSE 1431: Introduction to Visual Basic
- ITSE 2421: Introduction to Object-Oriented Programming

Hays moved, seconded by Ferguson to approve the deletion of the CIS prison courses. The motion carried.

TECHNICAL EDUCATION
Diesel Technology

Brian Jacob submitted a request to delete the following courses from the course inventory:

- DEMR 1317: Basic Brake Systems
- DEMR 1291: Power Train Applications I

Brice moved, seconded by Davis to approve the deletion of the DEMR prison courses. The motion carried.

Brice motioned to require all future core requirement submissions in which a specific course requirement is requested include documentation to justify the specific course. It was seconded by Hays and approved by the committee.