Delgado COMMUNITY COLLEGE

CURRICULUM COMMITTEE MEETING

Friday, April 10, 2015 - 2:00 p.m.
Student Life Center, Faculty Dining Room – (Building 23, First Floor)

AGENDA

I. Call to Order

II. Roll Call

III. Minutes of meeting of February 27, 2015

IV. Curriculum Operations Report – Tim Stamm

V. Articulation and Transfer Initiatives

a) Louisiana Common Course Name and Numbering / Statewide Matrix Social and Behavioral Sciences – Core Competencies/Descriptions – Review – April 15, 2015 (Rescheduled from February 27, 2015)

b) Louisiana Community and Technical College System Common Course Numbering – Developmental Mathematics: UPDATE

VI. New Business

a) **Allied Health/MSTH**

Program Revision: Certificate of Technical Studies in Massage Therapy. Revision of the C.T.S. in Massage Therapy: Delete: BIOL-161: Introductory Anatomy and Physiology and BIOL-163: Introductory Biology Lab from Required Related Courses; Add: BIOL-251: Human Anatomy and Physiology I, BIOL-253: Human Anatomy and Physiology I Lab, BIOL-252: Human Anatomy and Physiology II, BIOL-254: Human Anatomy and Physiology II Lab to Required Courses in Major; Add: MSTH-153: Massage Clinical Therapy to Required Courses in Major. Total Program Hours Increase *from* **28** *to* **33**. Program modifications are required to meet Title 46 Educational Requirements as precursors for licensure: *"The minimum 500 in-class hours shall consist of 325 hours dedicated to the study of massage therapy techniques and clinical practicum-related modalities, 125 hours dedicated to the study of anatomy and physiology, and 50 hours of discretionary related course work including, but not limited to, hydrotherapy, business practices and professional ethics, health and hygiene, and cardiopulmonary resuscitation (CPR) and first aid."*

b) **Science & Mathematics/BTEC**
New Course: BTEC-130: Introduction to Biotechnology (2-0-2 / 30). Creation of a new course, BTEC-130: Introduction to Biotechnology, designed to introduce students to the Biotechnology field. Course description: "Introduction to the field of biotechnology. Topics include recombinant DNA, production of biological molecules, plant and animal technology, and current events. Students will also review employment and careers in the biotechnology industries."

c) **Science & Mathematics/BTEC**
New Course: BTEC-132: Biotechnology Laboratory Techniques (0-6-2 / 90). Creation of a new course, BTEC-132: Biotechnology Laboratory Techniques, designed to introduce students to Biotechnology. Course description: "Background principles for the experimental concepts and fundamental laboratory skills associated with research, development, and production."

d) **Science & Mathematics/CTEC**
New Course: CTEC-130: Introduction to Chemical Technology (2-0-2 / 15). Creation of a new course, CTEC-130: Introduction to Chemical Technology, designed to provide students with an orientation to career opportunities and occupational skills required of the chemical technician. Course description: "Introduces the opportunities available in the chemical field and provides basic laboratory skills. Topics include chemical calculations, report writing, information searches, and chemical laboratory safety. A brief overall view of the chemical industry is presented. Field trips may be taken."

e) **Science & Mathematics/CTEC**
New Course: CTEC-132: Chemistry Laboratory Techniques (0-6-2 / 90). Creation of a new course, CTEC-132: Chemistry Laboratory Techniques, designed to course introduce students to the basic skills that are needed to work in a chemical science laboratory setting. Course description: "Background principles for the experimental concepts and fundamental laboratory skills associated with biological and chemical technology."

f) **Science & Mathematics/SCIE**
New Course: SCIE-299: Internship (0-14-3 / 210). Creation of a new course, SCIE-299: Internship, designed as a capstone experience for the Associate of Applied Science degree program in Science Laboratory Technology. Course description: "Required internship experience in the Science Laboratory Technology program. Provides students with the opportunity to apply laboratory skills and classroom knowledge in a practical/real-world setting with the guidance of a faculty advisor."

g) **Science & Mathematics/BIOL**
New Course: BIOL-265: Cell Biology (3-0-3 / 45). Creation of a new course, BIOL-265: Cell Biology, designed to provide an overview of the fundamentals of cellular structure and function. Louisiana Common Course Name/Number: CBIO-2133. Course description: "Structure and function of cells, and molecules essential for cellular processes."

h) **Science & Mathematics/BIOL**
New Course: BIOL-266: Cell Biology Lab (0-3-1 / 45). Creation of a new course, BIOL-266: Cell Biology Lab, designed to introduce students to the essential techniques that are required for cellular cultivation and care in a laboratory setting. Louisiana Common Course Name/Number: CBIO-2131. Course description: "Laboratory designed to supplement Cell Biology."

i) **Science & Mathematics/CHEM**
New Course: CHEM-201: Introduction to Organic and Biochemistry (3-03 / 45). Creation of a new course, CHEM-201: Introduction to Organic and Biochemistry, designed to provide the student with an overview of the science of organic chemistry: the nomenclature, physical and chemical properties and the mechanism of reactions and the role of the functional groups in various biological molecules. Course description: "Structures, preparations, and reactions of organic compounds. Concepts, such as stereochemistry are developed to demonstrate the correlation of structure with chemical reactivity. Covers the structure and function of various biomolecules, as carbohydrates, lipids, proteins and nucleic acids and their roles in metabolism."

j) **Science & Mathematics/CHEM**
New Course: CHEM-203: Introduction to Organic and Biochemistry Laboratory (0-3-1 / 45). Creation of a new course, CHEM-203: Introduction to Organic and Biochemistry Laboratory, designed to reinforce the material taught in CHEM 201. Experiments are tailored to foster a deeper understanding of the science of organic chemistry: the nomenclature, physical and chemical properties and the mechanism of reactions and the role of the functional groups in various biological molecules. Course description: "Laboratory course to accompany CHEM 201. Laboratory experiments cover the study of the structures, preparations, and reactions of organic compounds."

k) **Science & Mathematics/BTEC**
New Course: BTEC-274: Introduction to Nucleic Acids (2-3-3 / 75). Creation of a new course, BTEC-274: Introduction to Nucleic Acids, designed to assist in the development of practical skills, competencies, and knowledge in experimental techniques common to many biological sciences. Course description: "Deoxyribonucleic Acid (DNA) extraction, DNA purification, Polymerase Chain Reactions, Gel Electrophoresis, DNA

quantitation, plasmid construction and topics involving DNA use in modern research settings. Intended for students who are enrolled Biotechnology concentration of the Science Laboratory Technology degree program."

l) **Science & Mathematics/BTEC**
New Course: BTEC-275: Introduction to Protein Expression and Analysis (2-3-3 / 75). Creation of a new course, BTEC-275: Introduction to Protein Expression and Analysis, designed to introduce the essential techniques used in many biological laboratories for studying proteins. Course description: "Introduction to common techniques used for studying the expression and analysis of proteins and builds on the basic techniques for quantitation of protein concentration in solution. Studies include quantitation of single proteins, Electrophoretic techniques for estimating protein molecular weight and estimation of protein activity using basic Michaelis-Menten enzyme kinetics. Intended for students admitted to the Science Laboratory Technology degree program."

m) **Science & Mathematics/BTEC**
New Course: BTEC-280: Microscopy Techniques (0-9-3 / 135). Creation of a new course, BTEC-280: Microscopy Techniques, designed to introduce and reinforce skill sets necessary to prepare, identify, analyze, and manipulate sample materials and subject them to various microscopic evaluations. Course description: "Laboratory course covering the various microscopy techniques used in the biotechnology fields. Material preparation, instrument specific techniques and general presentation of the component function of the various types of microscopes. Intended for students in the Biotechnology concentration of the Science Laboratory Technology degree program."

n) **Science & Mathematics/BTEC**
New Course: BTEC-282: Introduction to Molecular and Genetic Biology (0-9-3 / 135). Creation of a new course, BTEC-282: Introduction to Molecular and Genetic Biology, designed to promote functional understanding of classical and molecular genetic concepts, and of fundamental molecular genetic laboratory techniques. Course description: "Intermediate level laboratory study of basic molecular processes and genetic phenomena in eukaryotes and prokaryotes. Genomics-centered approach and covers many of the latest methodologies used in genomics analysis. Topics to be covered include molecular aspects of structure and function, replication, transcription and translation, as well as synthesis and repair of nucleic acids; protein synthesis. Intended for students in the Biotechnology concentration of the Science Laboratory Technology degree program."

o) **Science & Mathematics/BTEC**
New Course: BTEC-284: Biomolecules (0-9-3 / 135). Creation of a new course, BTEC-284: Biomolecules, designed to provide an overview of several of the most common techniques for isolation and quantitation of biomolecules and biologically active compounds. Course description: "Introduces common techniques used for studying isolating and identifying biomolecules and biologically active compounds. Focuses on multiple sample destructive and sample non-destructive techniques for the quantitation of various biomolecules and biologically active compounds and purification of biomolecules and biologically active compounds. Intended for students in the Biotechnology concentration of the Science Laboratory Technology degree program."

p) **Science & Mathematics/BTEC**
New Course: BTEC-285: Bioinformatics and Bioethics (3-0-3 / 45). Creation of a new course, BTEC-285: Bioinformatics and Bioethics, designed to introduce bioinformatics tools and analysis methods. Course description: "Two distinct disciplines of Bioinformatics and Bioethics. Introduction to the high powered statistical field of bioinformatics occurs in the first half of the semester, while the second half consists of a survey of some of the ethical issues facing scientists today. This class is intended for students in the Biotechnology concentration of the Science Laboratory Technology degree program."

q) **Science & Mathematics/BTEC**
New Course: BTEC-286: Cell Culture Techniques Laboratory (0-9-3 / 135). Creation of a new course, BTEC-286: Cell Culture Techniques Laboratory, designed to introduce essential techniques required for sorting and staining eukaryotic cells. Course description: "Advanced course in a cell culture. Introduces techniques such stem cell culturing, transfection, cellular cloning, and biomarker identification. Students expand upon techniques mastered in BIOL-266. This class is intended for students in the Biotechnology concentration of the Science Laboratory Technology degree program."

r) **Science & Mathematics/CHEM**
New Course: CHEM-261: Instrumental Analysis I (0-6-2 / 90). Creation of a new course, CHEM-261: Instrumental Analysis, designed to provide an overview of classical methods of chemical analysis to those dealing with instrumental methods. Course description: "Introduction to the principles and methods of analysis of industrial materials using appropriate instrumentation. Topics include theory and criterial for choosing instrumentation, sample preparation, chemical separations, spectrophotometry, and chromatography techniques."

s) **Science & Mathematics/CTEC**
New Course: CTEC-271: Applied Instrumental Analysis I (1-6-3 / 105). Creation of a new course, CTEC-271: Applied Instrumental Analysis I, designed to imitate the real-world laboratory experience where the students are presented with a question and then are charged with the task of answering the question using a team-based approach. Course description: "Applied laboratory with a lecture component where the students are instructed on how to design and conduct experiments that require multiple basic techniques in instrumental analysis to answer industry-related questions. Students participate in a series of projects where they are involved in all phases of the experimental process from design and execution to data collection and analysis. In addition to submitting written reports on each project completed, students present an oral presentation of their results."

t) **Science & Mathematics/CTEC**
New Course: CTEC-272: Applied Instrumental Analysis II (1-6-3 / 105). Creation of a new course, CTEC-272: Applied Instrumental Analysis II, designed to imitate the real-world laboratory experience where the students are presented with a question and then are charged with the task of answering the question using a team-based approach. Course description: "Applied laboratory with a lecture component where the students are instructed on how to design and conduct experiments that require multiple techniques in instrumental analysis to answer industry-related questions. Students participate in a series of projects where they are involved in all phases of the experimental process from design and execution to data collection and analysis. In addition to submitting written reports on each project completed, students present an oral presentation of their results."

u) **Science & Mathematics/CTEC**
New Course: CTEC-273: Applied Instrumental Analysis III (1-6-3 / 105). Creation of a new course, CTEC-273: Applied Instrumental Analysis III, designed to imitate the real-world laboratory experience where the students are presented with a question and then are charged with the task of answering the question using a team-based approach. Course description: "Applied laboratory with a lecture component where the students are instructed on how to design and conduct experiments that require multiple techniques in instrumental analysis to answer industry-related questions. Students participate in a series of projects where they are involved in all phases of the experimental process from design and execution to data collection and analysis. In addition to submitting written reports on each project completed, students present an oral presentation of their results."

v) **Science & Mathematics/CTEC**
New Course: CTEC-274: Applied Instrumentation Analysis IV (1-6-3 / 105). Creation of a new course, CTEC-274: Applied Instrumentation Analysis IV, designed to imitate the real-world laboratory experience where the students are presented with a question and then are charged with the task of answering the question using a team-based approach. . Course description: "Applied laboratory with a lecture component where the students are instructed on how to design and conduct experiments that require multiple techniques in instrumental analysis to answer industry-related questions. Students participate in a series of projects where they are involved in all phases of the experimental process from design and execution to data collection and analysis. In addition to submitting written reports on each project completed, students present an oral presentation of their results."

w) **Science & Mathematics/CTEC**
New Course: CTEC-281: Applied Organic Chemistry Lab (1-6-3 / 105). Creation of a new course, CTEC-281: Applied Organic Chemistry Lab, designed to imitate the real-world laboratory experience where the students are presented with a question and then are charged with the task of answering the question using a team-based approach. Course description: "Applied laboratory with a lecture component where the students are instructed on how to design and conduct experiments that require multiple techniques in instrumental analysis to answer industry-related questions. Students participate in a series of projects where they are involved in all phases of the experimental process from design and execution to data collection and analysis. In addition to submitting written reports on each project completed, students present an oral presentation of their results."

x) **Science & Mathematics/SLTC**
Final Approval of Curriculum: Associate of Applied Science in Science Laboratory Technology.

y) **Allied Health/PHAR**
Program Revision: Certificate of Technical Studies in Pharmacy Technician. Revision of the C.T.S. in Pharmacy Technician. Add: PHAR-108: Pharmacy Ethics and Communication to "Prerequisites." Total program hours increase *from* **30** *to* **33**.

z) **Allied Health/DMTP**
Change of Course Title: DMTP-110: DMA Resource Management. Change the title of DMTP-110: DMA Resource Management *from* DMTP-110: DMA Resource Management *to* DMTP-110: ANFP Resource Management. The accrediting agency has changed its title from Dietary Managers Association (DMA) to Association of Nutrition and Foodservice

Professionals (ANFP) and the change in course title is reflective of the association's name change.

aa) **Allied Health/DMTP**

Change of Course Description: DMTP-110: ANFP Resource Management. Change the course description of DMTP-110: ANFP Resource Management to state: "Overview of the basic functions of human resource management including manpower planning, recruitment and selection, job analysis and design, performance management and appraisal, training and development, labor unions, time management, ANFP code of ethics, HIPPA, compensation and rewards." Current description: "Overview of the basic functions of human resource management including manpower planning, recruitment and selection, job analysis and design, performance management and appraisal, training and development, labor unions, time management, DMA code of ethics, HIPPA, compensation and rewards. This course combines both classroom and field experience."

bb) **Allied Health/DMTP**

Change of Course Title: DMTP-115: DMA Food Service Operations. Change the title of DMTP-115: DMA Food Service Operations *from* DMTP-115: DMA Food Service Operations *to* DMTP-115: ANFP Food Service Operations. The accrediting agency has changed its title from Dietary Managers Association (DMA) to Association of Nutrition and Foodservice Professionals (ANFP) and the change in course title is reflective of the association's name change.

cc) **Allied Health/DMTP**

Change of Course Description: DMTP-115: ANFP Food Service Operations. Change the course description of DMTP-115: ANFP Food Service Operations to state: "Foundation knowledge of foodservice management. Topics include delivery systems, menus, purchasing, receiving and storage, cooking procedures, equipment needs, safety, productivity, budgeting, cost effective procedures, and marketing." Current description: "Foundation knowledge of foodservice management in both classroom and field experience. Topics include delivery systems, menus, purchasing, receiving and storage, cooking procedures, equipment needs, safety, productivity, budgeting, cost effective procedures, and marketing."

dd) **Allied Health/DMTP**

Change of Course Title: DMTP-125: DMA Field Experience. Change the title of DMTP-125: DMA Field Experience *from* DMTP-125: DMA Field Experience *to* DMTP-125: ANFP Field Experience. The accrediting agency has changed its title from Dietary Managers Association (DMA) to Association of Nutrition and Foodservice Professionals (ANFP) and the change in course title is reflective of the association's name change.

ee) **Nursing/NURS**
Change of Course Prerequisite Requirements: NURS-125: Nursing II. Change the prerequisite requirements of NURS-125: Nursing II. Remove NURS-129: Special Populations I and PSYC-127: Introduction to Psychology as prerequisite requirements as prerequisite courses that may be taken concurrently with NURS-129. Other existing prerequisite requirements remain the same.

ff) **Nursing/NURS**
Change of Course Prerequisite Requirements: NURS-220: Nursing III. Change the prerequisite requirement of NURS-220: Nursing III: Remove NURS-223: Special Populations II as a prerequisite course that may be taken concurrently with NURS-220. Other existing prerequisite requirements remain the same.

gg) **Nursing/NURS**
Change in Course Lecture-Lab-Credit and Contact Hours: NURS-235: Nursing IV. Change the lecture-lab-credit and contact hours for NURS-235: Nursing IV *from* 4-9-7 / 195 *to* 4-15-9 / 285. Adjustments to lecture and laboratory hours are necessary to provide increased opportunities for student learning and success.

hh) **Nursing/NURS**
Change in Course Lab-Credit and Contact Hours: NURS-245: Clinical Practicum. Change the lab, credit, and contact hours for NURS-245: Nursing IV *from* 0-9-3 / 135 *to* 0-3-1 / 45. The adjusted laboratory, credit, and contact hours are reflective of student learning outcomes in the course.

ii) **Nursing/NURS**
New Course: NURS-251: Special Populations III (1-0-1 / 15). Creation of a new course, NURS-251: Special Populations III, designed to provide opportunities for students to acquire the knowledge, skills, and attitudes in the care of geriatric patients.

jj) **Nursing/NURS**
Program Revision: Associate of Science in Nursing. Revise the A.S. in Nursing: Add: NURS-251: Special Populations III to Courses Required in Major. (With adjusted courses, as approved above) Total Program Hours remain the same.

kk) **Nursing/PRNU**
Change of Program Description/Revision of Program Admission Requirements: Technical Diploma in Practical Nursing. Revise the program description for the T.D. in Practical Nursing: **"**Minimum scores on the COMPASS, TABE, or ACT exam: COMPASS:

Reading – 85; Language – 70; Pre-Algebra: 55 or Algebra 33. TABE: Reading – 12.0; Language – 12.0; Math – 12.0. ACT: Reading – 20; Language – 17; Math – 18. Add: Minimum Score on a pre-nursing admission examination." Modifications are promulgated by Louisiana State Board of Practical Nurse Examiners (LSBPNE) changes to the minimum entrance scores for Practical Nursing programs in Louisiana, and to more accurately assess student academic readiness prior to program entry. Current description: COMPASS: Reading – 82; Language – 60; Math – 44. TABE: Reading – 11.0; Language – 11.0; Math – 44. ACT: Reading – 19; Language – 17; Math – 17.

VII. Consent Agenda

a) **Technical Division/CSST**
Course deletion: CSTT-101: Characteristics of Teaching Cosmetology. The Certificate of Technical Studies Program in Cosmetology Teacher Trainer was terminated in 2013, and the course is not used in any degree, certificate, or diploma program at the College.

b) **Technical Division/CSTT**
Course deletion: CSTT-102: Planning Effective Cosmetology Instruction. The Certificate of Technical Studies Program in Cosmetology Teacher Trainer was terminated in 2013, and the course is not used in any degree, certificate, or diploma program at the College.

c) **Technical Division/CSTT**
Course deletion: CSTT-103: Interactive Learning. The Certificate of Technical Studies Program in Cosmetology Teacher Trainer was terminated in 2013, and the course is not used in any degree, certificate, or diploma program at the College.

d) **Technical Division/CSTT**
Course deletion: CSTT-104: Performance and Evaluation. The Certificate of Technical Studies Program in Cosmetology Teacher Trainer was terminated in 2013, and the course is not used in any degree, certificate, or diploma program at the College.

e) **Technical Division/CSTT**
Course deletion: CSTT-105: Classroom Environment. The Certificate of Technical Studies Program in Cosmetology Teacher Trainer was terminated in 2013, and the course is not used in any degree, certificate, or diploma program at the College.

f) **Technical Division/CSTT**
Course deletion: CSTT-106: Reflection and Vision. The Certificate of Technical Studies Program in Cosmetology Teacher Trainer was

terminated in 2013, and the course is not used in any degree, certificate, or diploma program at the College.

g) **Nursing/NURS**
Course deletion: NURS-260: Registered Nurse Refresher-Theory. Learning opportunities for Nurses requiring refresher courses for licensure are better addressed through non-credit offerings.

h) **Nursing/NURS**
Course deletion: NURS-261: Registered Nurse Refresher-Clinical. Learning opportunities for Nurses requiring refresher courses for licensure are better addressed through non-credit offerings.

i) **Nursing/NURS**
Course deletion: NURS-250: Nursing of the Critically Ill Adult. The course has not been offered in the past ten (10) years.

j) **Nursing/HESC**
Change of Course Prerequisite Requirements: HESC-100: Essentials of Nursing Assisting. Change the prerequisite requirements of HESC-100 to reflect modifications to Developmental Mathematics/Mathematics courses: Delete: MATH-095 and Add: MATH-093.

VIII. Old Business

IX. Next Meeting
May 1, 2015 (Scheduled Meeting)

X. Adjournment