Delgado COMMUNITY COLLEGE

CURRICULUM COMMITTEE MEETING

Friday, February 7, 2025 2:00 p.m.

City Park Campus, Dolphin Den, Student Life Center (Building #23, First Floor)

AGENDA

I. Call to Order

II. Roll Call

III. Call for Public Comments (LA R.S. 42:26, 2010, No. 861, sec 23)

IV. Minutes of meeting of November 22, 2024

V. Curriculum Operations Report-Rosaria Guastella

VI. New Business

a) **School of Business/CULA**

Program Revision: Certificate of Technical Studies (CTS) Culinary Management:
Remove: Admission Criteria #2: Score on the ACT, SAT, or Delgado Placement Test sufficient to place the student in the following courses: a. MATH 098 b. ENGL 101 or ENGL 110.
Remove: CULA 109: Concepts in Culinary Arts (3) from Required Courses in Major
Remove: BUSG 102: Customer Service (3) **and** MARK 201: Principles of Marketing (3) **and** HOST 221: Hospitality Marketing (3) **and** MANG 131: Human Resource Management (3) from Approved Electives.
Add: ACCT 222: Computerized Accounting Using QuickBooks (3) **and** MARK 214: Sports and Entertainment Marketing (3) **and** MARK 217: How to Promote a New Business (3) **and** MARK 218: Retail and E-Commerce to Approved Electives.
Program hours change from 28-29 to 28.

b) **School of Construction Arts and Technical Studies/HACR**

Program Revision: Certificate of Technical Studies (CTS) (Air Conditioning) Certified HVAC Technician:
Remove: ADOT 105: Survey of Computer Applications (3) or CMIN 201: Computer & Internet Literacy (3) from Required Related Courses.
Add: TECH 104: Computer Fundamentals for Technicians (3) to Required Related Courses
Program hours do not change.

c) **School of Construction Arts and Technical Studies/HACR**
Program Revision: Technical Diploma (TD) (Air Conditioning) Master HVAC/R Technician:
Remove: ADOT 105: Survey of Computer Applications (3) or CMIN 201: Computer & Internet Literacy (3) from Required Related Courses.
Add: TECH 104: Computer Fundamentals for Technicians (3) to Required Related Courses
Program hours do not change.

d) **School of Construction Arts and Technical Studies/ELEC**
New Course: ELEC 101: Electrical Designs and Calculations 3/3/3
Course Goal: This course equips students with a thorough understanding of electrical design methods and the calculations necessary for efficient and safe electrical system installation, fostering proficiency in both technical documentation and practical problem-solving skills.
Course Description: Combines electrical schematics and design principles with NEC-based calculations. Students will develop skills in creating and interpreting electrical documentation, performing essential system calculations, and applying safe work practices for real-world electrical installations.

e) **School of Construction Arts and Technical Studies/ELEC**
New Course: ELEC 200: Solar Photovoltaic System Installation 2/2/3
Course Goal: This course aims to prepare students with the knowledge and hands-on skills necessary to safely design, install, and maintain solar photovoltaic systems so that students can pursue a professional career in Solar PV installation.
Course Description: Explores the design and installation of solar photovoltaic (PV) systems and their applications both off-grid and on-grid. Both centralized solar power plants and distributed topologies will be considered.

f) **School of Construction Arts and Technical Studies/INCO**
Change of Course Pre-requisite: INCO 131: Process Instrumentation I
Add: INCO 102 and INCO 105

g) **School of Construction Arts and Technical Studies/INCO**
Change of Course Pre-requisite: INCO 132: Process Instrumentation II
Add: INCO 131

h) **School of Construction Arts and Technical Studies/INCO**
Change of Course Pre-requisite: INCO 141: Process Technology Equipment
Add: INCO 102 and INCO 105

i) **School of Construction Arts and Technical Studies/INCO**
Change of Course Pre-requisite: INCO 242: Process Technology Systems
Add: INCO 141

j) **School of Construction Arts and Technical Studies/INCO**
Change of Course Pre-requisite: INCO 243: Process Technology Unit Operations
Add: INCO 102 and INCO 105

k) **School of Construction Arts and Technical Studies/INCO**
Change of Course Pre-requisite: INCO 244: Process Troubleshooting
Add: INCO 132 and INCO 242

l) **School of Construction Arts and Technical Studies/HACR**
Change of Course Pre-requisite/Co-requisite: HACR 115: Building Code and Licensing
Remove: ADOT 105 or CMIN 201
Add: TECH 101 (Pre-requisite or Co-requisite)

m) **School of Construction Arts and Technical Studies/HACR**
Change of Course Pre-requisite: HACR 116: Tubing, Fabrication, and Fitting
Remove: ADOT 105 or CMIN 201
Add: HACR 115

n) **School of Construction Arts and Technical Studies/HACR**
Change of Course Pre-requisite/Co-requisite: HACR 251: Theory of Residential Air Conditioning
Remove: HACR 121
Add: Co-requisite HACR 252

o) **School of Construction Arts and Technical Studies/HACR**
Change of Course Pre-requisite/Co-requisite: HACR 252: Residential Air-Conditioning Theory and Practice
Remove: HACR 121
Add: Co-requisite HACR 251

p) **School of Construction Arts and Technical Studies/ELEC**
Change of Course Lecture-Lab-Credit Hours: ELEC 112: Basic Electricity
From: 2-8-4 To: 4-2-4

Change of Course Description: ELEC 112: Basic Electricity
New Description: Combines electrical schematics and design principles with NEC based calculations. Students will develop skills in creating and interpreting electrical documentation, performing essential system calculations, and applying safe work practices for real-world electrical installations.
Old Description: Fundamental concepts of electricity, electrical instruments, and electrical measurements.

Change of Course Pre-requisite/Co-requisite: ELEC 112: Basic Electricity
From: Co-requisite TECH 101 To: Pre-requisite or Co-requisite TECH 101

q) **School of Construction Arts and Technical Studies/ELEC**

Change of Course Lecture-Lab-Credit Hours: ELEC 120: Electrical Raceways
From: 2-4-3 To: 2-2-3

Change of Course Pre-requisite/Co-requisite: ELEC 120: Electrical Raceways
Remove: ELEC 112, ELEC 102, ELEC 103, ELEC 124
Add: Pre-requisite or Co-requisite TECH 101

r) **School of Construction Arts and Technical Studies/ELEC**

Change of Course Lecture-Lab-Credit Hours: ELEC 202: Industrial Wiring
From: 1-6-2 To: 2-3-2

Change of Lab Fee: ELEC 202: Industrial Wiring
From $50 To: $75

Change of Course Pre-requisite/Co-requisite: ELEC 202: Industrial Wiring
Remove: ELEC 102, ELEC 103, ELEC 120, ELEC 124
Add: ELEC 101 and ELEC 123

s) **School of Construction Arts and Technical Studies/MOVH**

New Course: MOVH 157: Brake Systems 2/3/3
to replace MOVH 154: Brake Systems 2/0/2 and MOVH 156: Brake Systems Laboratory 0/3/1

Course Goal: Basic brake systems overview. Provide students with modern diagnostic skills and repair procedures to satisfy relevant customer concerns; this is vital to the success of an Automotive Technician. Create a sense of academic purpose, while encouraging self-responsibility, self-awareness and student engagement.
Course Description: An introductory class in brake systems fundamentals. Topics covered in this course will disc and drum brake components, operation, diagnosis and service, and normal maintenance procedures.

t) **School of Construction Arts and Technical Studies/MOVH**

New Course: MOVH 207: Engine Performance I 3/3/4
to replace MOVH 206: Engine Performance I: Components and Systems 3/0/3 and MOVH 208: Engine Performance I: Components and Systems Laboratory 0/3/1

Course Goal: Prepares the student for electronic engine control concerns. Assist students in understanding: 1) Ignition and fuel system theory of operation. 2) Sensor operation. 3) Output control of PCM controlled relays, motors and actuators. 4) Basic scan tool usage to monitor PCM data parameters. Provide students with modern diagnostic skills and repair procedures to satisfy relevant customer concerns; this is vital to the success of an Automotive Technician. Create a sense of academic purpose, while encouraging self-responsibility, self-awareness and student engagement.
Course Description: Computerized ignition, fuel and emission control skills. Students learn ignition and fuel system component function; circuit operation and testing; PCM input and output controls; basic operating systems and scan tool usage.

u) **School of Construction Arts and Technical Studies/MOVH**
New Course: MOVH 212: Engine Diagnosis and Repair 3/3/4
to replace: MOVH 211: Engine Diagnosis and Repair 3/0/3 and MOVH 213: Engine Diagnosis and Repair Laboratory 0/3/1

Course Goal: Prepares students for basic engine concerns. Assist student in understanding: 1) the basic operating principles of gasoline and diesel engines; 2) modern cylinder head and short block diagnosis and repair procedures; 3) proper disassembly and reassembly procedures; 4) engine removal and installation procedures. Provide students with modern diagnostic skills and repair procedures to satisfy relevant customer concerns; this is vital to the success of an Automotive Technician. Create a sense of academic purpose while encouraging self-responsibility, self-awareness, and student engagement.
Course Description: Automotive engine diagnosis and repair skills. Students learn basic engine diagnostic tests; perform these tests and interpret the results; remove and replace an engine assembly; disassemble and reassemble major engine components and measure components for wear.

v) **School of Construction Arts and Technical Studies/MOVH**
New Course: MOVH 218: Steering and Suspension Systems 2/3/3
to replace: MOVH 217: Steering and Suspension Systems 2/0/2 and MOVH 219 Steering and Suspension Systems Laboratory 0/3/1

Course Goal: Basic Steering and Suspension overview. Provides students with modern diagnostic skills and repair procedures to satisfy relevant customer concerns; this is vital to the success of an Automotive Technician. Create a sense of academic purpose, while encouraging self-responsibility, self-awareness, and student engagement.
Course Description: Basic Automotive Steering and Suspension skills. Includes tire and wheel service, steering and suspension system component service, and wheel alignment principles and corrections for various steering and handling complaints.

w) **School of Construction Arts and Technical Studies/MOVH**
New Course: MOVH 230: Electrical/Electronics Diagnosis 3/3/4
to replace: MOVH 231: Advanced Electrical and Electronics 3/0/3 and MOVH 233: Advanced Electrical and Electronics Laboratory 0/3/1

Course Goal: Create a solid foundation in electrical systems and their electronic control. Provide students with modern diagnostic skills and repair procedures to satisfy relevant customer concerns, which are vital to the success of an Automotive Technician. Create a sense of academic purpose, while encouraging self-responsibility, self-awareness, and student engagement.
Course Description: Computer control of automotive electrical systems. Includes analog and digital inputs, computer processing, direct and indirect control of output relays, solenoids, motors and actuators. Participants use digital multi-meters and scan tools to test system operation and diagnose vehicle concerns.

x) **School of Construction Arts and Technical Studies/MOVH**

New Course: MOVH 235: Engine Performance II 3/3/4

to replace: MOVH 232: Engine Performance II: Advanced Drivability 3/0/3 and MOVH 234: Engine Performance II Laboratory 0/3/1

Course Goal: Prepare the student for code and no-code diagnostics of engine control concerns. Assist students in understanding: 1) Ignition, fuel and air inlet relationships. 2) How components interact. 3) How to diagnose air inlet, fuel and ignition system concerns. 4) How to diagnose code, and no code, drivability symptoms. 5) EGR, Evaporative emissions, and their effect on engine performance. 6) OBDII monitors, diagnosis and testing procedures, and scan tool parameters, effectively. 7) Misfires and catalytic converter efficiency. 8) The diagnostic process. Provide students with modern diagnostic skills and repair procedures to satisfy relevant customer concerns; this is vital to the success of an Automotive Technician. Create a sense of academic purpose, while encouraging self-responsibility, self-awareness and student engagement.

Course Description: Advanced drivability skills. Students learn fuel injection diagnosis, testing and service; gasoline direct-injection principles; electronic throttle control; EGR, PCV, evaporative emission and exhaust system controls; OBD II operation and diagnosis using a scan tool, DMM and oscilloscope.

y) **School of Construction Arts and Technical Studies/MOVH**

New Course: MOVH 241: Manual Drivetrain and Axles 3/3/4

to replace: MOVH 240: Manual Drivetrain and Axles 3/0/3 and MOVH 242: Manual Drivetrain and Axles Laboratory 0/3/1

Course Goal: Prepare students for manual drivetrain and axle concerns. Assist the student in understanding: 1) clutch and synchronizer operation; 2) gear and bearing noises; 3) shifter operation; 4) drive axle shaft concerns; 5) transfer case concerns; and 6) differential gear pattern diagnosis. Provide students with modern diagnostic skills and repair procedures to satisfy relevant customer concerns; this is vital to the success of an Automotive Technician. Create a sense of academic purpose, while encouraging self-responsibility, self-awareness and student engagement.

Course Description: Clutch, manual drivetrain and axle skills. Students learn basic diagnostic tests, perform these tests and interpret the results on clutch components, synchronizer assemblies and shifter mechanisms; gear and bearing noises; drive axle shafts and cv-joints; transfer cases, and differentials.

z) **School of Construction Arts and Technical Studies/MOVH**

New Course: MOVH 245: Automatic Transmissions 3/3/4

to replace: MOVH 244: Automatic Transmissions 3/0/3 and 246: Automatic Transmissions Lab 0/3/1

Course Goal: Provide the knowledge and skill to diagnose, repair and service automatic transmission concerns. Assist students in understanding: 1) Component function and operation. 2) Hydraulic pressure control. 3) Component application charts. 4) Service publications. 5) Symptom diagnosis. 6) Scan tool usage. 7) Testing procedures. 8) Service and repair procedures. Provide students with modern diagnostic skills and repair procedures to

satisfy relevant customer concerns; this is vital to the success of an Automotive Technician. Create a sense of academic purpose, while encouraging self-responsibility, self-awareness and student engagement.

Course Description: General automatic transmission/transaxle skills. Students learn theory of operation, hydraulic principles and torque convertor operation; planetary gear set operation, band/servo, one-way clutch and multiple disc clutch operation. Students check and adjust clutch pack clearance and endplay; use component application charts, a scan tool, DMM and pressure gauges to diagnose electronic transmission concerns.

aa) **School of Construction Arts and Technical Studies/MOVH**

New Course: MOVH 254: Electronic Assisted Brakes/Steering and Suspension 3/3/4

to replace: MOVH 162: Advanced Brake/Steering and Suspension Systems 3/0/3 and MOVH 164: Advanced Brake/Steering and Suspension Systems Laboratory 0/3/1

Course Goal: Computer controlled Brake, Steering and Suspension Systems. Focus on electronic controls that interact with these basic systems. Provide students with modern diagnostic skills and repair procedures to satisfy relevant customer concerns; this is vital to the success of an Automotive Technician. Create a sense of academic purpose, while encouraging self-responsibility, self-awareness and student engagement.

Course Description: Variable electronic control of dynamic vehicle systems. Includes anti-lock brake systems, electronic stability control systems, variable assist steering systems, advanced driver assistance systems (ADAS) and electronic control of the suspension system for height and ride control.

bb) **School of Construction Arts and Technical Studies/MOVH**

New Course: MOVH 261: Climate Control Systems 3/3/4

to replace: MOVH 260 Climate Control Systems 3/0/3 and MOVH 262: Climate Control Laboratory 0/3/1

Course Goal: Provide the knowledge and skill to diagnose, repair and service climate control systems. Assist students in understanding: 1) Component function and operation. 2) Air flow management. 3) Refrigerant system operation. 4) Electrical/Electronic controls. 5) Diagnosis and testing procedures. 6) Service and repair procedures. Provide students with modern diagnostic skills and repair procedures to satisfy relevant customer concerns; this is vital to the success of an Automotive Technician. Create a sense of academic purpose, while encouraging self-responsibility, self-awareness and student engagement.

Course Description: Automotive heating and air conditioning skills. Students integrate the need for driver and passenger comfort with the principles of latent heat. Refrigerant systems operation, controls, diagnosis, repair and service procedures include cycling clutch orifice tube and thermostatic expansion valve systems.

cc) **School of Construction Arts and Technical Studies/MOVH**

Course Name Change: MOVH: 270: Advanced Automotive Technologies 3/0/3

New Name: MOVH 270: Emerging Technologies

VII. Consent Agenda

a) **School of Science, Technology, Engineering, and Mathematics**
Revise Course Lecture and Lab fees: (see attachment)

VIII. Next Meeting **March 28, 2025**

IX. Adjournment