To: Professor Hassan Hamdan Al Alkim, President

From: Prof. Stephen Wilhite, Provost
Re: Academic Council Actions AY 2021- 2022 / MTG 8
Date: 16 Feb 2022

The Eighth Academic Council Meeting was held on 16 Feb 2022 at noon through Microsoft Teams due to application of precautionary measures to limit the spread of COVID-19. The main purpose of this meeting was to approve curriculum changes and to consider a number of policies.
The Chair and six other members attended the meeting. Dr. Maxime was invited to attend this meeting in place of Dean, School of Arts and Sciences.

The Provost applied the motion procedure in considering all of the agenda items.

At its meeting of 16th Feb 2022 the AURAK Academic Council took the following actions, which I hereby submit for your consideration:

AY 21-22.8.1 Welcome

- The meeting started at 12:00 pm with welcome remarks made by the Provost.

AY 21-22.8.2 Minutes and Actions from Previous Meeting:

- The Academic Council Members unanimously approved the Seventh Academic Council Minutes which were circulated on 16th Feb 2022 without any changes.
- The Provost discussed the pending items in the action grid with no action recorded.

AY 21-22. 7.4 Curriculum Items:

I. School of Engineering:

- **The Academic Council unanimously approved all curriculum changes presented by the Interim Dean, School of Engineering listed below, taking into consideration that some curriculum items were not consider by the University Curriculum Committee:**
  - **New Courses Creation:**

✓ ENGR 200: Engineering Statistics

- The Academic Council decided to remove the pre-requisite for this course based on the IDSoE request.

✓ ENGR 450: Engineering Seminar

❖ **Programs' Modifications:**

- **The Academic Council approved the Graduate Courses Open to Undergraduate Students as listed in Appendix A.**
- **IDSoE will double check the graduate courses which will be taken as technical electives in the undergraduate programs with regard to pre-requisites and co-requisites for the graduate courses that could make the courses difficult for undergraduates to take as technical electives..**

- **Artificial Intelligence:**

✓ Removing STAT 346: Probability for Engineers from the study plan
✓ Adding a new core course ENGR 200: Engineering Statistics
✓ The equivalent course for ECEN 331 is EEEN 331
✓ The equivalent course for ECEN 332 is EEEN 332
✓ Adding technical electives to the AI program from the Master's program as shown in Appendix A

- **Computer Science:**

✓ Removing STAT 346: Probability for Engineers as core course
✓ Removing CENG 466 as technical elective course (approved by School Curriculum Committee only)
✓ Adding a new core course ENGR 200: Engineering Statistics
✓ The equivalent course for ECEN 331 is EEEN 331
✓ The equivalent course for ECEN 332 is EEEN 332
✓ The equivalent course for ECEN 481 is EEEN 481
✓ Adding technical electives to the CS program from the Master's program as shown in Appendix A

- **Computer Engineering**

✓ The Academic Council decided to remove one free elective course to keep the total number of program credit hours not changed after adding one additional core course.

✓ Removing STAT 346: Probability for Engineers as core course

✓ Remove the course CSAI 350: Introduction to Artificial Intelligence from the list of technical electives and add the CSAI 350 as a core course (approved by School Curriculum Committee only)

✓ Removing CENG 466 as technical elective course (approved by School Curriculum Committee only)

✓ Adding a new core course ENGR 200: Engineering Statistics

✓ Amending the code of an existing course from ECEN 491: Engineering Seminar to ENGR 450: Engineering Seminar

✓ The equivalent course for ECEN 331 is EEEN 331

✓ The equivalent course for ECEN 332 is EEEN 332

✓ The equivalent course for ECEN 481 is EEEN 481

✓ The equivalent course for ECEN 220 is EEEN 220

✓ The equivalent course for ECEN 221 is EEEN 221

✓ The equivalent course for ECEN 280 is EEEN 280

✓ The equivalent course for ECEN 281 is EEEN 281

✓ The equivalent course for ECEN 333 is EEEN 333

✓ The equivalent course for ECEN 334 is EEEN 334

✓ The equivalent course for ECEN 431 is EEEN 431

✓ Adding technical electives to the CENG program from the Master's program as shown in Appendix A

- **Electrical & Electronics Engineering**

✓ Removing ECEN 491: Engineering Seminar from the course plan and adding the equivalent ENGR 450: Engineering Seminar

✓ Removing STAT 346: Probability for Engineers

- ✓ Adding a new course ENGR 200: Engineering Statistics
- ✓ Approving the equivalency between all EEEN courses and the corresponding ECEN/ELEN courses as shown in the list below:

Equivalency between EEE courses and ECEN/ELEN Courses

EEE Course	Equivalent Course
EEEN 220 Signal & Systems	ECEN 220 Signal & Systems
EEEN 221 Signal & Systems I Lab	ECEN 221 Signal & Systems I Lab
EEEN 280 Electric Circuit Analysis I	ECEN 280 Electric Circuit Analysis I
EEEN 281 Electric Circuit Analysis I Lab	ECEN 281 Electric Circuit Analysis I Lab
EEEN 282 Electric Circuit Analysis II	ECEN 282 Electric Circuit Analysis II
EEEN 283 Electric Circuit Analysis II Lab	ECEN 283 Electric Circuit Analysis II Lab
EEEN 305 Electromagnetic Theory	ECEN 305 Electromagnetic Theory
EEEN 331 Digital System Design	ECEN 331 Digital System Design
EEEN 332 Digital System Design Lab	ECEN 332 Digital System Design Lab
EEEN 333 Linear Electronics I	ECEN 333 Linear Electronics I
EEEN 334 Linear Electronics I Lab	ECEN 334 Linear Electronics I Lab
EEEN 350 Electric Machines	ELEN 350 Electric Machines
EEEN 351 Electric Machines Lab	ELEN 351 Electric Machines Lab
EEEN 360 Random Signal & Noise	ECEN 360 Random Signal & Noise
EEEN 412 Power Systems	ELEN 412 Power Systems
EEEN 431 Digital Circuit Design	ECEN 431 Digital Circuit Design
EEEN 433 Linear Electronics II	ECEN 433 Linear Electronics II
EEEN 434 Linear Electronics II Lab	ECEN 434 Linear Electronics II Lab
EEEN 437 Power Electronics	ECEN 437 Power Electronics
EEEN 451 Control Theory	ELEN 451 Control Theory
EEEN 460 Communication Systems	ECEN 460 Communication Systems
EEEN 461 Communication Engineering Lab	ECEN 461 Communication Engineering Lab
EEEN 464 Digital Communication Systems	ECEN 464 Digital Communication Systems
EEEN 467 Mobile and Wireless Communications	ECEN 467 Mobile and Wireless Communications
EEEN 492 Senior Design Project I	ECEN 492 Senior Design Project I
EEEN 493 Senior Design Project II	ECEN 493 Senior Design Project II
EEEN 432 Nanotechnology Fundamentals & Applications	ECEN 432 Nanotechnology Fundamentals & Applications
EEEN 435 Introduction to Optical Electronics	ECEN 435 Introduction to Optical Electronics
EEEN 462 Data and Computer Communication	ECEN 462 Data and Computer Communication
EEEN 466 Digital Signal Processing	ECEN 466 Digital Signal Processing
EEEN 472 Antenna Theory and Design	ECEN 472 Antenna Theory and Design
EEEN 473 Radio Frequency and Microwave Engineering	ECEN 473 Radio Frequency and Microwave Engineering

EEE Course	Equivalent Course
EEEN 474 Advanced Information Theory and Coding	ECEN 474 Advanced Information Theory and Coding
EEEN 481 Concepts of Multimedia Processing & Transmission	ECEN 481 Concepts of Multimedia Processing & Transmission
EEEN 499 Special Topics in EEEN	ECEN 499 Special Topics in ECEN
EEEN 421 Power System Protection	ELEN 421 Power System Protection
EEEN 422 High Voltage engineering	ELEN 422 High Voltage engineering
EEEN 423 Electrical energy systems and fault analysis	ELEN 423 Electrical energy systems and fault analysis
EEEN 425 Smart Power Grid Systems Theory and Implementation	ELEN 425 Smart Power Grid Systems Theory and Implementation
EEEN 426 Renewable Energy Systems	ELEN 426 Renewable Energy Systems
EEEN 491 Engineering Seminar	To be replaced by ENGR 450 (AC)

- ✓ Adding technical electives to the EEE program from the Master's program as shown in Appendix A

- **Civil & Infrastructure Engineering Program**

- ✓ Removing the STAT 346 as School of Engineering Requirement course
- ✓ Adding ENGR 200 as School of Engineering Requirement course
- ✓ Removing the course ECEN 491: Engineering Seminar from the course plan and adding ENGR 450: Engineering Seminar
- ✓ Adding technical electives to the CIEN program from the Master's program as shown in Appendix A

Course	Nature of Change	Old Data	New Data (Proposed Changes)
Change in Existing Courses in Civil & Infrastructure Engineering Department:			
CIEN 241: Infrastructure Management	Pre - requisite	ECON 103	None
CIEN 261: Surveying	Pre - requisite	CIEN 201	CIEN 201 for CIEN students INDS 122 for ARCH students
New Course Creation in Civil & Infrastructure Engineering Department:			

Course	Nature of Change	Old Data	New Data (Proposed Changes)
CIEN 216: Structures for Architecture 1 (3) (New Course)	Course Description		Equilibrium of a rigid body, force systems, geometric properties of various shapes, internal forces in beams, trusses, and frames, analysis of three-hinged and tied arches, construction of shear force and bending moment diagrams for beams and frames, mechanical properties of materials, axil, shear and bending stresses in members, stability, determinacy and indeterminacy of beams and trusses.
	Course Learning Outcomes		**CLO1:** Construct free body diagrams and determine the unknown reactions by applying laws of equilibrium.
			CLO2: Determine internal forces in beams and frames and draw shear force and bending moment diagrams.
			CLO3: Analyze various types of trusses and arches and find the internal forces in these structures.
			CLO4: Calculate axial, shear, and bending stresses and strains in various types of members subjected to various types of loading.
	Pre - requisite/s		MATH 113 & PHYS 110
CIEN 316: Structures for Architecture 2 (3) (New course)	Course Description		Introduction to concrete, structural steel, and masonry as construction materials. Design of rectangular reinforced concrete beams, reinforced concrete one-way slabs, and simple design of reinforced concrete short

Course	Nature of Change	Old Data	New Data (Proposed Changes)
			columns according to ACI 318 design code. Design of simple masonry walls. Design of structural steel beams and structural steel columns according to LRFD design method.
	Course Learning Outcomes		**CLO1:**Analyze and design reinforced concrete beams according to the provisions of ACI 318 design code
			CLO2 Analyze and design reinforced concrete short columns and one-way slabs according to the provisions of ACI 318 design code.
			CLO3 Design of masonry walls for the given gravity loads.
			CLO4 Analyze and design structural steel beams according to the LRFD method.
			CLO5 Analyze and design structural steel columns according to the LRFD method.
	Pre - requisite/s		CIEN 216

- **Industrial Program**

✓ Removing the course ECEN 491: Engineering Seminar from the course plan and adding ENGR 450: Engineering Seminar

✓ Removing IENG 241: Engineering Statistics (modified by AC)

✓ Adding a new core course ENGR 200: Engineering Statistics

✓ The equivalent course for ECEN 280 is EEEN 280

✓ The equivalent course for ECEN 281 is EEEN 281

- ✓ Adding technical electives to the IENG program from the Master's program as shown in Appendix A

Change in Existing Courses in Mechanical and Industrial Engineering Department:			
Course	**Nature of Change**	**Old Data**	**New Data (Proposed Changes)**
IENG 232: Engineering Materials Lab	Pre - requisite/s and Co - requisite/s	Pre - requisites: NONE Co - requisites: NONE	Pre - requisites: NONE Co - requisites: IENG 231
IENG 313: Manufacturing Processes Lab	Pre - requisite/s and Co - requisite/s	Pre - requisites: NONE Co - requisites: NONE	Pre - requisites: NONE Co - requisites: IENG 311
IENG 427: Simulation	Pre - requisite/s and Co - requisite/s	Pre - requisites: IENG 341 Co - requisites: NONE	Pre - requisites: IENG 241 Co - requisites: NONE
IENG 311: Manufacturing Processes I	Course Title	Manufacturing Process I	Manufacturing Process
	Credits	3	2
	Course Learning Outcomes	CLO1: Differentiate between the different types of manufacturing processes and their applications.	CLO1: Identify and discuss the different bulk deformation processes and identify their principles, applications, equipment, advantages and disadvantages.
		CLO2: Discuss and realize the different bulk deformation processes and identify their advantages and disadvantages.	CLO2: Assess and design the metal casting process and control its parameters.

Change in Existing Courses in Mechanical and Industrial Engineering Department:			
Course	**Nature of Change**	**Old Data**	**New Data (Proposed Changes)**
		CLO3: Analyze and evaluate the different sheet-metal forming processes and identify their applications.	CLO3: Describe the variety of joining processes available in manufacturing industries and identify their capabilities and applications.
		CLO4: Assess and design the metal casting process and control its parameters.	

- **Mechanical Engineering Program:**
  - ✓ Removing the course ECEN 491: Engineering Seminar from the course plan and adding ENGR 450: Engineering Seminar
  - ✓ Removing IENG 241: Engineering Statistics (modified by AC)
  - ✓ Adding a new core course ENGR 200: Engineering Statistics
  - ✓ The equivalent course for ELEN 426 is EEEN 426
  - ✓ The equivalent course for ELEN 451 is EEEN 451
  - ✓ The equivalent course for ECEN 280 is EEEN 280
  - ✓ The equivalent course for ECEN 281 is EEEN 281
  - ✓ Adding technical electives to the MENG program from the Master's program as shown in Appendix A
- **Architecture Program:**

Nature of Change	**Old Data**	**New Data (Proposed Changes)**
Program Credit hours	**162 CH**	**161 CH (Due to multi changes listed below) the language has been modified by AC.**

Course	Nature of Change	Old Data	New Data (Proposed Changes)
MENG 422	Course Code	MENG 422 Building Utilities II: Illumination, Acoustics, and Electrical Building Services	ARCH 466 Building Utilities II: Illumination, Acoustics, and Electrical Building Services (3 CH)
ARCH 113	Delete courses	Major compulsory: ARCH 113 Free Hand Sketching (1 CH)	The two courses were cancelled and substituted by INDS 112 Design Communication 1: Sketching and Drawing for Interiors (3 CH)
ARCH 114		Major compulsory: ARCH 114 Technical Graphics (2 CH)	
ARCH 115		Major compulsory: ARCH 115 Architectural Drawing and Presentation (3 CH)	The course was cancelled and substituted by INDS 122 Design Communication 2: Digital Media for Interiors
CIEN 213		Major compulsory: CIEN 213 Engineering Mechanics (3)	The 3 structural courses were merged and created 2 new CIEN course: CIEN 216 and CIEN 316
CIEN 214		Major compulsory: CIEN 214 Structural analysis for Architects (3)	
CIEN 322		Major compulsory: CIEN 322 Structural Design (3)	
ARCH 223	Credit hours	Major compulsory: ARCH 223 Computer Architectural Drawing (2)	The credit hours were changed from 2 CH to 3 CH, to make it consistent with other courses and increase students' skills in digital media.
ARCH 592		Major compulsory: ARCH 592 Graduation Project Design (6)	The credit hours were changed from 6 CH to 5 CH to make it consistent for both BArch and BAID programs.
ARCH 390: Intern-ship I	Course Description	Students undertake a supervised field experience of professional-level duties for 240-320 hours of full-time training at approved internship sites. The internship takes place under the guidance of a designated site supervisor in coordination with a faculty supervisor. In addition to the regular reports during the internship, students must present their activities and learning experiences at the end of the internship.	This is one of two supervised field experiences of professional-level duties where each is for 240 to 320 hours (8 weeks) of full-time training at approved internship sites. The internship takes place under the guidance of a designated site supervisor in coordination with a faculty supervisor. In addition to the regular reports during the internship, students must present their activities and learning experiences at the end of the internship.
	Pre-requisite	Completion of 112 credits and a CGPA of 2.0 or higher	Completion of 98 credits and a CGPA of 2.0 or higher

Course	Nature of Change	Old Data	New Data (Proposed Changes)
ARCH 391: Internship II	Course Description		This is one of two supervised field experiences of professional-level duties where each is for 240 to 320 hours (8 weeks) of full-time training at approved internship sites. The internship takes place under the guidance of a designated site supervisor in coordination with a faculty supervisor. In addition to the regular reports during the internship, students must present their activities and learning experiences at the end of the internship.
	Pre-requisite		Completion of 130 credits and a CGPA of 2.0 or higher
ARCH 223: Computer Architectural Drawing	Credit Hours	2 CH	3 CH
	Pre - requisite/s	ARCH 115	INDS 122
ARCH 231: Building Construction I	Pre - requisite/s	ARCH 114	INDS 122
ARCH 241: History and Theory of Architecture 1	Pre - requisite/s	ARCH 122	NIL
ARCH 336: Construction Drawings	Pre - requisite/s and Co - requisite/s	Pre - requisites: ARCH 232, ARCH 331 Co - requisites:	Pre - requisites: ARCH223;ARCH331 Co - requisites:
ARCH 342: History and	Pre - requisite/s and Co - requisite/s	Pre - requisites: ARCH 341 Co - requisites:	Pre - requisites: ARCH 242 Co - requisites:

Course	Nature of Change	Old Data	New Data (Proposed Changes)
Theory of Contemporary Architecture			
ARCH 456: Sustainable Housing	Pre - requisite/s and Co - requisite/s	Pre - requisites: ARCH 372 Co - requisites:	Pre - requisites: ENVS 102 Co - requisites:
MENG 422: Building Utilities II: Illumination, Acoustics, and Electrical Building Services (3:2:3) (SCC & UCC but the UCC approval has different code. The approved and correct code is ARCH 466)	Course Code	MENG 422: Building Utilities II: Illumination, Acoustics, and Electrical Building Services (3:2:3)	**ARCH 466**: Building Utilities II: Illumination, Acoustics, and Electrical Building Services (3:2:3)
	Pre - requisite/s	PHYS 110 & MENG 468	MENG 468
ARCH 592: Graduation	Credit hours	6 CH	5 CH

Course	Nature of Change	Old Data	New Data (Proposed Changes)
Project Design			

- **Interior Design**

Course	Nature of Change	Old Data	New Data (Proposed Changes)
Interior Design	INDS 413: Quantity Survey and Specifications was cancelled and the content merged into INDS 312 Construction Drawings and Interior Detailing (School Curriculum Committee only) 129 CH (the CH was reduced from 132 CH due to the cancellation of 1 course that is merged with another course) (School Curriculum Committee only)		
INDS 390: Internship I Note: Since the course description was approved already, no need to send again for approval	Pre-requisite	Completion of 97 credits and a CGPA of 2.0 or higher	Completion of 65 credits and a CGPA of 2.0 or higher
INDS 211: Interior Design Studio I	Pre - requisite/s and Co - requisite/s	Pre - requisites: INDS 122 Co - requisites: INDS 213; ARCH 223	Pre - requisites: ARCH 122 Co - requisites: INDS 213; ARCH 223;
INDS 213: Interior Construction Methods, Materials and Finishes I	Pre - requisite/s and Co - requisite/s	Pre - requisites: INDS 121; INDS 122 Co - requisites: ARCH 223	Pre - requisites: INDS 121 Co - requisites: INDS 112
INDS 223: Interior Construction Methods, Materials and Finishes II (SCC & UCC but have some	Pre - requisite/s and Co - requisite/s	Pre - requisites: INDS 213 Co - requisites: INDS 224	Pre - requisites: INDS 213 Co - requisites: NONE

Course	Nature of Change	Old Data	New Data (Proposed Changes)
typo in both minutes. The pre-requisite for the course is the same (INDS 213) but the co-requisite is none.			
INDS 311: Interior Design Studio III	Pre - requisite/s and Co - requisite/s	Pre - requisites: INDS 221 Co - requisites: INDS 312; INDS 313	Pre - requisites: INDS 221 Co - requisites: Nil
INDS 312: Construction Drawings and Interior Detailing (SCC & UCC but the course code written by UCC is incorrect. The correct code is INDS 312)	Contact Hours	5 Contact Hours	7 Contact Hours
	Course Description	This course will lead the students to continue exploring more advanced software application and the principles of Building Information Modelling used to visualize, document and communicate interior design working drawings	This course will lead the students to continue exploring more advanced software application and the principles of Building Information Modelling used to visualize, document and communicate interior design working drawings. Offers methods of selection and specifications of interior design products and techniques for preparing a competitive bid including quantities and methods of measurement.
	Course Learning Outcomes	**CLO1:** Develop understanding of the fundamentals of interior design working drawings vocabulary, specifications and applications.	**CLO1:** Develop understanding of the fundamentals of interior design working drawings vocabulary, specifications and applications.
		CLO2: Produce a complete 2D and 3D set of interior design working drawings, interior and architectural detailing, visualizing and scheduling the constructional projects using BIM software (Autodesk ® Revit Architecture).	**CLO2:** Produce a complete 2D and 3D set of interior design working drawings, interior and architectural detailing, visualizing and scheduling the constructional projects using BIM software (Autodesk ® Revit Architecture).

Course	Nature of Change	Old Data	New Data (Proposed Changes)
		CLO3: Cultivate a professional attitude and develop skills to solve problems relevant to execution and details.	**CLO3:** Cultivate a professional attitude and develop skills to solve problems relevant to execution and details.
		CLO4: Develop the ability to self-appraise and reflect on practice relevant to Building Information Modelling	**CLO4:** Produce specifications for interior design projects.
		CLO5: Effectively produce and communicate professional interior design working drawings.	
INDS 313: Environmental Systems 1: Indoor comfort and human wellbeing	Pre - requisite/s and Co - requisite/s	Pre - requisites: INDS 223 Co - requisites: INDS 312	Pre - requisites: INDS 224 Co - requisites: INDS 312
INDS 322: Furniture Design	Pre - requisite/s and Co - requisite/s	Pre - requisites: INDS 121, INDS 223 Co - requisites:	Pre - requisites: INDS 121, INDS 312 Co - requisites:
INDS 411: Interior Design Studio 5	Pre - requisite/s and Co - requisite/s	Pre - requisites: INDS 321 Co - requisites: INDS 413; INDS 414	Pre - requisites: INDS 321 Co - requisites: Nil
INDS 421: Graduation Project Design	Pre - requisite/s and Co - requisite/s	Pre - requisites: INDS 412 Co - requisites: INDS 422	Pre - requisites: INDS 412 Co - requisites: Nil

- **Chemical Engineering Program**
  - ✓ Removing the STAT 346 as School of Engineering Requirement course
  - ✓ Adding ENGR 200 as School of Engineering Requirement course
  - ✓ The equivalent for ELEN 426 is EEEN 426
  - ✓ Adding technical electives to the CHEN program from the Master's program as shown in Appendix A

Change in Existing Courses in Chemical and Petroleum Engineering Department

Course	Nature of Change	Old Data	New Data (Proposed Changes)
CHEN 201: Principles of Chemical Engineering	Course Description	This course introduces the students to chemical engineering profession and basic calculations in mass and energy balance; phase equilibrium; and process flow sheeting. It includes applications on reactive and non-reactive chemical processes.	This course introduces the students to chemical engineering profession and basic calculations in mass and energy balance; phase equilibrium; and process flow sheeting. It includes applications on reactive and non-reactive chemical processes. Moreover, computer programs will be used to assist in solving-problems.
	Course Learning Outcomes	CLO1: Convert units and values from one-unit system to another. [1]	CLO1: Convert units and values from one-unit system to another. [1]
		CLO2: Draw a chemical process flow diagram, label it and perform degree of freedom analysis. [1]	CLO2: Draw a chemical process flow diagram, label it and perform degree of freedom analysis. [1]
		CLO3: Formulate, simplify, and solve material and energy balance equations for single and multiple systems. [1]	CLO3: Formulate, simplify, and solve material and energy balance equations for single and multiple systems. [1]
		CLO4: Use reaction stoichiometry to identify limiting and excess reactants, conversion, selectivity and yield for processes with chemical reactions. [1]	CLO4: Use reaction stoichiometry to identify limiting and excess reactants, conversion, selectivity and yield for processes with chemical reactions. [1]

Course	Nature of Change	Old Data	New Data (Proposed Changes)
		CLO5: Calculate energy and enthalpy changes using tabulated data and correlations, and construct energy balances on closed and open systems. [1]	CLO5: Calculate energy and enthalpy changes using tabulated data and correlations, and construct energy balances on closed and open systems. [1]
			CLO6: Use spreadsheet software to conduct process material & energy balance. [1, 7]
CHEN 302: Computer Applications in Chemical Engineering	Pre - requisite/s and Co - requisite/s	Pre - requisites: CHEN 201, CIEN 251 Co - requisites: NONE	Pre - requisites: CHEN 201 Co - requisites: NONE
CHEN 312: Chemical Engineering Thermodynamic	Pre - requisite/s and Co - requisite/s	Pre - requisites: CHEM 315, CHEM 316, MENG 211 Co - requisites: NONE	Pre - requisites: MENG 211 Co - requisites: NONE
	Course Description	This course aims to introduce the principles of Chemical Engineering Thermodynamics and illustrate their application to design of chemical process plants. The content comprises the fundamentals of thermodynamics, such as thermodynamic properties (energy, entropy, enthalpy, heat capacity, etc.), the first and second law of thermodynamics (energy and entropy balance), heat of reactions, etc., thermodynamics of ideal and non-ideal gases and liquids, vapor-liquid equilibrium and thermodynamics of chemical processes.	This course aims to introduce the principles of Chemical Engineering Thermodynamics and illustrate their application to design of chemical processes. The content comprises the fundamentals of thermodynamics, such as thermodynamic properties (energy, entropy, enthalpy, heat capacity, etc.), the first and second law of thermodynamics (energy and entropy balance), heat of reactions, etc., thermodynamics of ideal and non-ideal gases and liquids, vapor-liquid equilibrium and thermodynamics of chemical processes. In addition, to the use of simulation packages to solve different thermodynamic problems.
	Course Learning Outcomes	CLO1: Express the basic principles of chemical	CLO1: Express the basic principles of chemical

Course	Nature of Change	Old Data	New Data (Proposed Changes)
		engineering thermodynamics [1]	engineering thermodynamics [1]
		CLO2: Recall the first and second laws of thermodynamics and understand the practical implications of these laws in engineering design [1, 2].	CLO2: Apply the concepts of heat, work and energy conversion relevant to engineering thermodynamic. [1]
		CLO3: Apply the concepts of heat, work and energy conversion relevant to engineering thermodynamic. [1]	CLO3: Use, interpret, predict and produce thermodynamic data such as P-V-T data, heat capacities, heats of reaction, and enthalpy data. [1, 6]
		CLO4: Use, interpret, predict and produce thermodynamic data such as P-V-T data, heat capacities, heats of reaction, and enthalpy data. [1 & 6]	CLO4: Investigate and predict phase behavior for ideal and real mixtures [1]
		CLO5: Investigate and predict phase behavior for ideal and real mixtures [1]	CLO5: Analyze chemical reaction equilibrium in homogeneous systems [1]
		CLO6: Determine changes in the properties of gases, liquid and solids undergoing changes under different system operation conditions [1, 7].	CLO6: Apply simulation tools to solve thermodynamics problems for various state conditions. [1, 7]
		CLO7: Analyze chemical reaction equilibrium in homogeneous systems [1].	
CHEN 321: Chemical Engineering Lab-I	Pre - requisite/s and Co - requisite/s	Pre - requisites: MENG 211, CIEN 251, MENG 361 Co - requisites: NONE	Pre - requisites: CIEN 251, MENG 361 Co - requisites: NONE

Course	Nature of Change	Old Data	New Data (Proposed Changes)
CHEN 351: Chemical Reaction Engineering	Course Description	This course provides a detailed analysis to the principles of chemical kinetics, and reactor analysis and design. The course covers kinetics of homogeneous and heterogeneous reactions, design of isothermal reactors such as Batch, Continuous Stirred Tank Reactor (CSTR) and Plug Flow Reactor (PFR). Other topics include data collection and handling, non-isothermal reactor design and multiple reactions. The last part of the course considers homogeneous and heterogeneous catalytic reactions.	This course provides a detailed analysis to the principles of chemical kinetics, and reactor analysis and design. The course covers kinetics of homogeneous and heterogeneous reactions, design of isothermal reactors such as Batch, Continuous Stirred Tank Reactor (CSTR) and Plug Flow Reactor (PFR). Other topics include data collection and handling, non-isothermal reactor design and multiple reactions. The last part of the course considers homogeneous and heterogeneous catalytic reactions. Further, the course introduces the link between the theoretical part and the laboratory scale chemical reactors through physical tour of the Chemical Engineering Laboratory facility.
CHEN 371: Mass Transfer	Course Description	This course covers molecular and convective steady- and unsteady- state mass transfer, interfacial mass transfer and continuous and stage-wise contact operations, with applications in absorption, stripping, and humidification.	This course covers molecular and convective steady- and unsteady- state mass transfer, interfacial mass transfer and continuous and stage-wise contact operations, with applications in absorption, stripping, and humidification. Further, the course introduces the link between the theoretical part and experimental design of mass transfer equipment through physical tour of the Chemical Engineering unit operation facility.

Course	Nature of Change	Old Data	New Data (Proposed Changes)
	Course Learning Outcomes	CLO1: Identify mass transfer modes, i.e. molecular and convective mass transfer, Interphase mass transfer. [1]	CLO1: Identify mass transfer modes, i.e. molecular and convective mass transfer, Interphase mass transfer. [1]
		CLO2: Apply fundamentals of mass transfer to identify, formulate, and solve engineering problems for (i) steady state and (ii) transient conditions involving molecular, convective, or interphase mass transfer. Formulate differential equations and appropriate boundary conditions. [1]	CLO2: Apply fundamentals of mass transfer to identify, formulate, and solve engineering problems for (i) steady state and (ii) transient conditions involving molecular, convective, or interphase mass transfer. [1]
		CLO3: Obtain appropriate data (i.e. diffusion coefficient, density, viscosity) to solve problems from tables and correlations. [1]	CLO3: Obtain appropriate data (i.e. diffusion coefficient, density, viscosity) to solve problems from tables, correlations or experiment. [1, 6]
		CLO4: Identify and use analogies between momentum, mass, and heat transfer. [1]	CLO4: Identify and use analogies between momentum, mass, and heat transfer. [1]
		CLO5: Identify and use appropriate mass transfer correlations. [1]	CLO5: Apply fundamentals of mass transfer to identify, formulate, and design mass transfer equipment. [1, 2]
		CLO6: Apply fundamentals of mass transfer to identify, formulate, and design mass transfer equipment for gas absorption and stripping. [1, 2]	CLO6: Use numerical methods to solve mass transfer problems [7]
		CLO7: Use numerical methods to solve mass transfer problems [7]	

Course	Nature of Change	Old Data	New Data (Proposed Changes)
CHEN 472: Separation Processes	Course Description	This course starts with a review of phase equilibria, and then covers binary and multi-component distillation, leaching, and liquid-liquid extraction, with applications in design of a multi-column distillation process.	This course aims to introduce the fundamental principles of Separation Processes through examining both equilibrium-controlled separation processes as well as separation processes that involve both mass transport and equilibrium considerations. In order to probe the key concepts in depth, the course will focus primarily on binary and multi-component distillation, leaching, absorption, membranes and liquid-liquid extraction. Furthermore, Computer instruction will be employed throughout the course to illustrate important characteristics of these separation systems.
	Course Learning Outcomes	CLO1: Express how separations are made by phase creation, phase addition and by introducing selective barriers [1]	CLO1: Express how separations are made by phase creation, phase addition and by introducing selective barriers [1]
		CLO2: Develop and apply the concept of phase equilibrium to the respective separation systems [1, 2]	CLO2: Develop and apply the concept of phase equilibrium to the respective separation systems [1, 2]
		CLO3: Design single and multistage extraction systems and estimate outlet concentration using graphical and analytical methods [2, 7]	CLO3: Design single and multistage extraction systems and estimate outlet concentration using graphical and analytical methods [2, 7]
		CLO4: Propose the design and dimensioning of different separation systems and evaluate the efficiency of the process equipment [1, 2]	CLO4: Propose the design and dimensioning of different separation systems and evaluate the efficiency of the process equipment [1, 2]

Course	Nature of Change	Old Data	New Data (Proposed Changes)
		CLO5: Investigate the effect of operating conditions (T&P) on the separating performance [1]	CLO5: Investigate the effect of operating conditions (T&P) on the separating performance [1]
			CLO6: Utilize the use of computer software for simulating chemical separation processes. [1, 7]
CHEN 481: Process & Plant Design (SCC only not included in the UCC)	Course Description	Application of chemical engineering principles to the development of process flow diagrams including flow and process conditions. Estimation of capital and manufacturing cost and application of heuristic methods to the design of process equipment. Design of heat and separation sequences of chemical processes.	Application of chemical engineering principles to the development of process flow diagrams including flow and process conditions. Estimation of capital and manufacturing cost and application of heuristic methods to the design of process equipment. Design of heat and separation sequences of chemical processes. Utilization of process simulators to develop process flow diagram and size equipment.
	Course Learning Outcomes	CLO1: Construct and analyze process flow diagrams	CLO1: Construct and analyze process flow diagrams
		CLO2: Estimate capital and manufacturing cost of a chemical plant	CLO2: Estimate capital and manufacturing cost of a chemical plant
		CLO3: Design the sequence of separation and heat recovery system of a process using heuristic approach	CLO3: Design the sequence of separation and heat recovery system of a process using heuristic approach
		CLO4: Use tables of technical heuristics and guidelines to design various process equipment	CLO4: Use tables of technical heuristics and guidelines to design various process equipment
		CLO5: Produce a quality design report that includes detailed design calculations of major items of process	CLO5: Produce a quality design report that includes detailed design calculations of major items of process

Course	Nature of Change	Old Data	New Data (Proposed Changes)
		equipment and appropriate drawings	equipment and appropriate drawings
			CLO6: Apply process simulators to develop process flow diagrams, solve process material and energy balances, and design and size equipment
CHEN 482: Chemical Process Dynamic and Control	Course Description	This course aims at introducing process dynamics and principles of control for chemical processes. Topics covered include block diagrams, Laplace transforms, transient response of feed-back systems, stability analysis, gain and phase margins.	This course aims to introduce process dynamics and principles of control for chemical processes. Topics covered include block diagrams, Laplace transforms, development of dynamic equations for elements of control loops, transient response of feed-back systems, stability characteristics of dynamic systems, gain and phase margins. In addition to development of process characterization using mathematical models, controller design, and implementation.
	Course Learning Outcomes	CLO1: Understand the needs and the incentives for controlling a chemical process. [1]	CLO1: Identify the needs and the incentives for controlling a chemical process. [1]
		CLO2: Understand the need for developing a mathematical model as a prerequisite to the design of the appropriate control system for any process. [1]	CLO2: Develop a mathematical model as a prerequisite to the design of the appropriate control system for any process. [1]
		CLO3: Learn the modelling of chemical processes for control purposes. [1]	CLO3: Solve linear and ODEs using Laplace transform and numerical methods. [1]

Course	Nature of Change	Old Data	New Data (Proposed Changes)
		CLO4: Learn the solution of differential equations using Laplace Transform. [1]	CLO4: Analyze static and dynamic behavior of processing systems. [1, 6]
		CLO5: Learn the analysis of static and dynamic behavior of processing systems. [6]	CLO5: Utilize the use of computer software for the simulating chemical process control system. [1, 7]
		CLO6: Learn the analysis of the dynamic behavior of First and Second order systems. [1]	CLO6: Design and analyze feedback control systems, which are the control schemes most often used in the chemical industry [1, 2]
		CLO7: Learn the utilization of computer software for the simulation and control of chemical processes [7]	CLO7: Demonstrate stability analysis of feedback systems [1, 6]
		CLO8: Learn the analysis and design of feedback control systems, which are the control schemes most often used in the chemical industry [1, 2]	
		CLO9: Learn stability analysis of feedback systems [1]	

- **Petroleum Engineering Program**

✓ Removing the STAT 346 as School of Engineering Requirement course

✓ Adding ENGR 200 as School of Engineering Requirement course

✓ Adding technical electives to the PENG program from the Master's program as shown in Appendix A

Course	Nature of Change	Old Data	New Data (Proposed Changes)
PENG 371: Petroleum Reservoir Engineering	Course Learning Outcomes	CLO1: Understand oil production mechanisms (primary, secondary,	CLO1: Identify oil production mechanisms (primary, secondary, and tertiary recovery mechanisms) [1]

Course	Nature of Change	Old Data	New Data (Proposed Changes)
		and tertiary recovery mechanisms) [1]	
		CLO2: Derive the material balance equation for gas reservoirs, understand the limitation of the equation, and apply it for depletion drive and water drive gas reservoirs [1]	CLO2: Derive material balance equation for gas and oil reservoirs, understand the limitation of the equation, and apply it for depletion drive, gas-cap drive, and water drive oil reservoirs [1,7]
		CLO3: Predict gas reservoir performance for depletion gas reservoirs and water drive gas reservoirs [1,7]	CLO3: Predict gas reservoir performance for depletion gas reservoirs and water drive gas reservoirs [1,7]
		CLO4: Derive the material balance equation for oil reservoirs, understand the limitation of the equation, and apply it for depletion drive, gas-cap drive, and water drive oil reservoirs [1,7]	CLO4: Utilize software packages to predict the future performance of oil and gas reservoir, and understand aquifer model analysis [6, 7]
		CLO5: Understand the factors to be considered for water flooding and predict water flood performance by applying classical methods [1,2]	CLO5: Predict waterflood performance by applying classical methods [1,2]
		CLO6: Understand the process of immiscible displacement in a reservoir [1]	CLO6: Assess the process of immiscible displacement in a reservoir [1]
		CLO7: Understand the distribution of immiscible fluids in a reservoir [1]	CLO7: Perform decline curves analysis [1, 6]

Course	Nature of Change	Old Data	New Data (Proposed Changes)
PENG 381: Well Logging (SCC & UCC but the pre-requisite mentioned in the UCC is incorrect. The pre-requisite should be PENG 351)	Pre - requisite/s and Co - requisite/s	Pre - requisites: PENG 101 and PENG 351 Co - requisites: NONE	Pre - requisites: PENG 351 Co - requisites: NONE
PENG 382: Petroleum Production Engineering (Well Performance)	Pre - requisite/s and Co - requisite/s	Pre - requisites: CIEN 251 and MENG 211 Co - requisites: NONE	Pre - requisites: CIEN 251 Co - requisites: NONE
	Course Learning Outcomes	CLO1: Determine the flow rate at which an existing oil well will produce considering wellbore geometry and completion limitations (first by natural flow) [1]	CLO1: Determine the flow rate at which an existing oil well will produce considering wellbore geometry and completion limitations (first by natural flow) [1]
		CLO2: Determine under what flow conditions (which may be related to time) a well will load or die [1]	CLO2: Determine under what flow conditions (which may be related to time) a well will load or die [1]
		CLO3: Select the most economical time for the installation of artificial lift and to assist in the selection of the optimum lift method [1]	CLO3: Select the most economical time for the installation of artificial lift and to assist in the selection of the optimum lift method [1]
		CLO4: Optimize the system to produce the objective flow rate most economically [1, 7]	CLO4: Optimize the system to produce the objective flow rate most economically [1, 7]
		CLO5: Check each component in the well system to determine whether it is restricting the flow rate unnecessarily [1]	CLO5: Check each component in the well system to determine whether it is restricting the flow rate unnecessarily [1]
		CLO6: Permit quick recognition of ways to	CLO6: Permit quick recognition of ways to increase production rates [1]

Course	Nature of Change	Old Data	New Data (Proposed Changes)
		increase production rates [1]	
		CLO7: Use the available software package "PERFORM" developed by HIS Energy Group based in Houston to solve engineering problems related to the above outcomes [2, 7]	CLO7: Use software package to solve problems related to well performance and production [2, 7]
PENG 403: Petroleum Property Evaluation	Pre - requisite/s and Co - requisite/s	Pre - requisites: PENG 371, PENG 382 and IENG 321 Co - requisites: NONE	Pre - requisites: PENG 371 and IENG 321 Co - requisites: NONE
	Course Learning Outcomes	CLO1: Understand the basis for evaluating economic projects. (1)	CLO1: Identify the basis project economic evaluation concepts. [1]
		CLO2: Learn the different techniques for measuring return on investments. (1)	CLO2: Assess risk and include uncertainty in economic decisions. [1]
		CLO3: Analyze the rate of return on investments in producing properties. (1)	CLO3: Design decision trees that include all possible outcomes and choose the optimum economic path. [1]
		CLO4: Review the basis of statistical analysis and probability distributions. (1)	CLO4: Use professional computer software to solve economics evaluation problems [1, 7]
		CLO5: Learn the applications of probability to petroleum exploration decisions. (1)	CLO5: Demonstrate knowledge of Professional code of ethics. [4]
		CLO6: Analyze the economics of investing in exploration projects. (1)	
		CLO7: Learn how to assess risk and include	

Course	Nature of Change	Old Data	New Data (Proposed Changes)
		uncertainty in economic decisions. (1)	
		CLO8: Learn to design decision trees that include all possible outcomes and how to choose optimum economic path. (1)	
		CLO9: Analyze returns on investments to explore in mature regions. (1)	
		CLO10: Use the computer skills and software to solve evaluations problems (1, 7)	
		CLO11: Demonstrate knowledge of Professional code of ethics via exams and class project. (4)	
PENG 472: Applied Reservoir Geology	Course Learning Outcomes	CLO1: Understand the fundamental concepts, principles and theories of the relevant Geosciences and Engineering disciplines. [1]	CLO1: Recognize the fundamental concepts, principles and theories of the relevant Geosciences and Engineering disciplines. [1]
		CLO2: Identify the role of depositional environment and textural parameters influencing reservoir rock properties. [1]	CLO2: Identify the role of depositional environment and textural parameters influencing reservoir rock properties. [1]
		CLO3: Develop a complete description of a hydrocarbon reservoir using geoscientific and engineering methods. [1, 7]	CLO3: Develop a complete description of a hydrocarbon reservoir using geoscientific and engineering methods. [1, 7]

Course	Nature of Change	Old Data	New Data (Proposed Changes)
		CLO4: Define the concept of Reservoir Up-scaling and develop a step-by step procedure for creating a simple static model. [1, 7]	CLO4: Define the concept of Reservoir Up-scaling and develop a step-by step procedure for creating a simple static model. [1, 7]
		CLO5: Design and execute a reservoir simulation model using complete reservoir description and well data. [1, 2]	CLO5: Apply industry standard software to aid in the design and execution of a reservoir simulation model using complete reservoir description and well data. [1, 2]
		CLO6: Perform integrated reservoir study, including the components of a study and the data required. [1, 7]	CLO6: Perform integrated reservoir study, including the components of a study and the data required. [1, 7]
PENG 473: Reservoir Simulation	Course Learning Outcomes	CLO1: Identify the steps involved in developing a reservoir simulator. [1]	CLO1: Identify the steps involved in developing a reservoir simulator. [1]
		CLO2: Formulate flow equation in differential and algebraic forms. [1]	CLO2: Formulate flow equation in differential and algebraic forms. [1]
		CLO3: Develop and solve the flow equation for each block in a given reservoir. [1]	CLO3: Develop and solve the flow equation for each block in a given reservoir. [1]
		CLO4: Formulate single-phase and multi-phase flow in petroleum reservoirs. [1, 7]	CLO4: Formulate single-phase and multi-phase flow in petroleum reservoirs. [1, 7]
		CLO5: Develop some experience with history matching a reservoir simulation model. [1, 7]	CLO5: Develop some experience with history matching a reservoir simulation model. [1, 7]
		CLO6: Prepare and interpret data for a black-oil simulator to model a field case [2, 7]	CLO6: Perform reservoir simulation starting from data preparation up to results interpretation using oilfield data [2, 7]

Course	Nature of Change	Old Data	New Data (Proposed Changes)
PENG 483: Well Testing	Course Learning Outcomes	CLO1: Characterize oil reservoirs. (1)	CLO1: Characterize oil reservoirs. [1]
		CLO2: Understand the role of well test analysis in reservoir planning and management. (1)	CLO2: Recognize the role of well test analysis in reservoir planning and management. [1]
		CLO3: Specify the type of test and data to be collected, select a suitable analysis technique and carry out basic test design calculations to meet certain objectives. (1, 7)	CLO3: Specify the type of test and data to be collected, select a suitable analysis technique and carry out basic test design calculations to meet certain objectives. [1, 7]
		CLO4: Be fluent with the nomenclature of well testing. (1, 3)	CLO4: Communicate effectively the nomenclature of well testing. [1, 3]
		CLO5: Communicate effectively orally and in writing. (3)	CLO5: Perform hands-on computer aided well test analysis. [6, 7]
PENG 484: Stimulation and Intervention in Petroleum Production Operations	Course Learning Outcomes	CLO1: Recall the basics of the stimulation technique and demonstrate the principle of selecting the proper method of stimulation [1]	CLO1: Recall the basics of the stimulation technique and demonstrate the principle of selecting the proper method of stimulation [1]
		CLO2: Outline the theory of elasticity & inelasticity, constitutive relationships for rocks, rocks failure criterion and rock strengths [1]	CLO2: Outline the theory of elasticity & inelasticity, constitutive relationships for rocks, rocks failure criterion and rock strengths [1]
		CLO3: Design hydraulic fracture fluids [1, 2]	CLO3: Use professional software to aid in the design of hydraulic fracture treatments [2, 7]
		CLO4: Perform Fracture evaluation using pressure diagnostics, well testing and other techniques [1]	CLO4: Perform Fracture evaluation using pressure diagnostics, well testing and other techniques [1]

Course	Nature of Change	Old Data	New Data (Proposed Changes)
		CLO5: Design and monitor the process execution of acidizing job [1, 2]	CLO5: Apply industry standard software to design and monitor the execution of acidizing job [1, 2]
		CLO6: Describe well intervention techniques and identify when to apply them: slickline/wireline operations and coil tubing operation [1,7]	CLO6: Describe well intervention techniques and identify when to apply them: slickline/wireline operations and coil tubing operation [1,7]
PENG 485: Water Flooding	Course Learning Outcomes	CLO1: Have a sound understanding of the fundamental petro-physical principles governing both static and dynamic fluid rock interactions and role of fluid rock interaction on the microscopic displacement efficiency and hence on residual oil saturation. (1)	CLO1: Recognize the fundamental Petro-physical principles governing both static and dynamic fluid rock interactions and role of fluid rock interaction on the microscopic displacement efficiency and hence on residual oil saturation. [1]
		CLO2: Have a sound understanding of the physics of multiphase fluid flow in oil reservoirs and be able to use the basic quantitative tools namely the frontal advance and fractional flow equations to estimate the macroscopic efficiency of a linear immiscible displacement process. (1)	CLO2: Identify the physics of multiphase fluid flow in oil reservoirs and use the basic quantitative tools namely the frontal advance and fractional flow equations to estimate the macroscopic efficiency of a linear immiscible displacement process. [1]

Course	Nature of Change	Old Data	New Data (Proposed Changes)
		CLO3: Understand roles of the three basic factors controlling the performance namely, mobility ratio, areal and vertical heterogeneities and gravity and apply some basic predictive models to estimate patterned areal and the vertical displacement efficiencies. (1, 7)	CLO3: Illustrate the roles of the three basic factors controlling the performance namely, mobility ratio, areal and vertical heterogeneities and gravity and apply some basic predictive models to estimate patterned areal and the vertical displacement efficiencies. [1, 7]
		CLO4: Be able to decide on the data to be collected to build a conceptual reservoir model and perform designing a water flooding project by utilizing an actual or hypothetical data set to investigate various flooding patterns, select location of injection wells, estimate their injectivity and rates of producers. The end product of the design work is a detailed prediction of the oil recovery performance that includes the ultimate recovery, composite WOR recovery. (1, 7)	CLO4: Decide on the data to be collected to build a conceptual reservoir model and perform designing a water flooding project by utilizing an actual or hypothetical data set to investigate various flooding patterns, select location of injection wells, estimate their injectivity and rates of producers. [2, 7]

Graduate Program:

- New Course Creation:

  ENGR 500 Engineering Foundation for Graduate Students

- ✓ The Academic Council decided to form a committee constant of DSoB, IDSoE, CSEO and the Registrar to discuss the CAA requirement with regard to the student who would like to enroll in graduate program with a recognized Bachelor's degree and a minimum cumulative grade point average (CGPA) of 2.0
- ✓ The CSEO sent an email to the CAA to check the required number of credits needs for the student who have less than CGPA 2 to be enrolled in master's program

II. School of Business:

- **The Academic Council unanimously approved all curriculum changes presented by the Dean, School of Business listed below, as endorsed by the University Curriculum Committee**
- **The Dean will provide the Registrar with information he needs including:**
  - ✓ **Required forms.**
  - ✓ **CLOs details.**
  - ✓ **List of new courses with needed information.**
  - ✓ **The change of existing courses will be modified by adding a column for "old data".**
- **The DSoB and Provost confirmed that this information is already available in the catalog based on the CAA requirements contained in the "reform letter".**

Program Modifications:

MBA Changes

1. Removal of all MBA concentrations
   - Finance
   - General

- Human Resources
- Information Systems Management
- International Business

✓ The approved changes do not modify the semester hour requirements of the MBA.
✓ This change will be effective Fall 2022.
✓ The students who joined the MBA in Spring 2022will be encouraged to do the General concentration.

BSBA Changes

1. Revising course learning outcomes and course descriptions to reflect the applied nature of courses.
2. Including new courses for the "Business Analytics" and "Hospitality and Tourism Management" majors.
3. Retitle of BUSN 304 - 'Commercial Law" into "Business Law".
4. Course Code "UNIV 390" changed to BUSN 390 to show School based differentiation for the old BS and BSBA programs.

✓ Creating new course BUSN 390 which is equivelent to UNIV 390.

5. Introducing two internship courses (6 credit hours) for all majors in the new BSBA program.

✓ The new internship course codes will be BUSN 390 and BUSN 391.

6. Specifying the home department of each courses offered by the school to avoid delays in course syllabi and course file approvals.
7. Including the course code equivalence for all courses offered by the school to avoid course overrides.
8. Updating the course pre- and co-requisites in all majors to avoid course overrides.

(Please find folder 2 which contains the University Curriculum Committee Memo and relevant forms)

AY 21-22. 8.4 Program Assessment Template

➢ The Academic Council Members unanimously approved the Program Assessment Template without any changes.

- The Council suggested to schedule training sessions before the use of the new template.

AY21-22. 8.5 Any other relevant business

- The Provost announced that the Ninth Academic Council Meeting will be held the following week.

The meeting was adjourned at 2:50 pm. The minutes of meeting will be sent soon.