

EIGHTH SEMESTER EXAM SCHEDULE OF CE- 409 FINAL YEAR DESIGN PROJECT**Date: 15 August, 2023 (Tuesday)**

Venue: DOBEC				Time	Venue: Meeting Room (New Building)			
Group No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)		Group No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)
G-8	Soil Improvement Using Waste Materials	Prof. Dr. Amanullah Marri	Engr. Sadia Moin	9:00 - 10:00	G-41	Bio – Waste: A Nature – Based Remediation for Oil Pollution	Dr. Sadia Khan	Dr. Mehmood Ali
G-2	Mechanical Properties of Ultra High Strength Concrete Reinforced with Steel Fibers	Prof. Dr. Asad-ur-Rehman Khan	Engr. Ayesha Ayub	10:00 - 11:00	G-42	Solid Waste Management and Waste Disposal Practices in Karachi	Dr. Abdul Ghaffar	
G-3	Mechanical Properties of Ultra High Strength Concrete Reinforced with Polypropylene Fibers	Prof. Dr. Asad-ur-Rehman Khan	Engr. Ayesha Ayub	11:00 - 12:00	G-13	Energy Efficiency Assessment of Residential Units Through Building Envelope and Occupants Behavior Assessment	Dr. Farrukh Arif	Engr. Faiza Saeed
G-26	Experimental Study of Behavior of Ferro Cement Slab	Dr. Fawwad Masood	Dr. Syed Salman Mobeen	12:00 - 1:00	G-7	Analysis and Design of Large Span Post Tensioned Building	Prof. Dr. Abdul Jabbar Sangi	Engr. Adnan Rais Ahmed
Prayers and Lunch Break								
G-10	Natural Flood Management and Its Analysis Using Hydrologic and Hydraulic Modelling	Prof. Dr. Syed Imran Ahmed	Engr. Haris Akram Bhatti	2:30 - 3:30	G-31	Determining the Efficiency and Sustainability of BRT Karachi	Engr. Syed Muhammad Noman	Engr. Farhan Jamil
G-16	Energy Life Cycle and Life Cycle Cost Assessment of Different Types of Concrete Masonry Blocks	Dr. Farrukh Arif	Prof. Dr. Abdul Jabbar Sangi	3:30 - 4:30	G-55	Efficient Energy Consumption in Institutional Buildings Based on Predictive Optimization Using IoT Task Management Mechanism	Engr. Muhammad Saqib	Engr. Farhan Saleem Engr. Shahzad Ahmed

SEVENTH SEMESTER EXAM SCHEDULE OF CE- 409 FINAL YEAR DESIGN PROJECT**Date: 16 August, 2023 (Wednesday)**

Venue: UGCC-Lab 1					Venue: UGCC-Lab 2			
Group No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)	Time	Group No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)
G-37	Development of Lightweight Concrete Wall Panel	Prof. Dr. Tehmina Ayub	Prof. Dr. Sadaqat Ullah Khan	9:00 - 10:00	G-12	2D-Flood Risk Assessment of Kunhar River Basin within GIS Environment and Remote Sensing	Prof. Dr. Syed Imran Ahmed	Engr. Shahrukh Khan Engr. Hamna Hasan
G-38	Flexural Behaviour of Reinforced Lightweight Aggregate Concrete (LWAC) Using OPC and LC3	Prof. Dr. Tehmina Ayub	Dr. Fawwad Masood	10:00 - 11:00	G-11	Spatiotemporal Assessment of Groundwater in Southern Sindh	Prof. Dr. Syed Imran Ahmed	Engr. Shahrukh Khan
G-4	An Application of H-BIM (Heritage BIM) for Effective Life Cycle Management of Heritage Buildings	Prof. Dr. Rizwan Ul Haque Farooqui	Dr. Rana Rabnawaz Ahmed Engr. Muhammad Saqib	11:00 - 12:00	G-47	Socio-economic Analysis of Commuter Using Bus Rapid Transit (BRT) - Right of Way (ROW) Category "A" Green Line	Dr. Ashar Ahmed	Dr. Sajjad Ali
G-22	A Comparative Study of Existing Experimental and Analytical Models of Infilled Frame RC Building	Dr. Aslam Faqeer Mohammad		12:00 - 1:00	G-48	Socio-economic Analysis of Commuter Using Bus Rapid Transit (BRT) - Right of Way (ROW) Category "C" Red Line	Dr. Ashar Ahmed	Dr. Sajjad Ali
Prayers and Lunch Break								
G-5	Developing a Database for Affordable Housing Using Material and Technology Information - Application to Flood Resistant Buildings	Prof. Dr. Rizwan Ul Haque Farooqui	Dr. Rana Rabnawaz Ahmed Engr. Syed Muhammad Shahrukh Ali	2:30 - 3:30	G-36	Performance Assessment of Existing Flood Resilient Houses (FRH) in Rural Areas of Sindh	Prof. Dr. Rashid Ahmed Khan	Dr. Aslam Faqeer Mohammad Dr. Muhammad Ahmed
G-14	Modeling of Passive Design Integrated Energy Efficient House for Karachi	Dr. Farrukh Arif	Engr. Faiza Saeed	3:30 - 4:30	G-29	Analysis and Efficiency Evaluation of Karachi Circular Railway (KCR)	Engr. Syed Muhammad Noman	

SEVENTH SEMESTER EXAM SCHEDULE OF CE- 409 FINAL YEAR DESIGN PROJECT**Date: 17 August, 2023 (Thursday)****Venue: Undergraduate Computer Centre-Lab 1****Venue: Undergraduate Computer Centre-Lab 2**

Group No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)	Time	Group No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)
G-39	Urban Agriculture for Food Security	Prof. Dr. Atif Mustafa	Prof. Dr. Syed Imran Ahmed	9:00 - 10:00	G-9	Offshore Pile Analysis and Design	Prof. Dr. Amanullah Marri	Engr. Sadia Moin
G-1	Structural Health Monitoring of Scaled Down RC Bridge	Prof. Dr. Asad-ur-Rehman Khan	Dr. Shamsoun Fareed	10:00 - 11:00	G-58	Slope Stability Analysis and Design	Prof. Dr. Amanullah Marri	Dr. Sadaf Qasim Engr. Sadia Moin
G-6	Use of Recycled Plastic-Aggregate Composite as a Sustainable Building Material	Prof. Dr. Abdul Jabbar Sangi	Engr. Adnan Rais Ahmed	11:00 - 12:00	G-15	LiDAR-UAV Integrated Digitization of Civil Infrastructure for Visualization of Physical Condition	Dr. Farrukh Arif	Engr. Waleed Ahmed Khan
G-18	Behaviour of Reinforced High Strength Concrete Slabs	Dr. Shamsoun Fareed	Engr. Samra Masood	12:00 - 1:00	G-25	Seismic Hazard Analysis for Karachi Based on PSHA Tools	Dr. Aslam Faqeer Mohammad	Dr. Muhammad Ahmed
Prayers and Lunch Break								
G-19	Behaviour of Reinforced High Strength Concrete Slender Beams	Dr. Shamsoun Fareed	Engr. Samra Masood	2:30 - 3:30	G-53	Performance Evaluation of Flexible Pavement Using Polyethylene Terephthalate (PET)	Dr. Sajjad Ali	
G-32	Designing a Material Passport System for Local Construction Industry	Dr. Rana Rabnawaz Ahmed		3:30 - 4:30	G-21	To Evaluate Traditional Building Contracts from the View Point of Sustainability - Key Challenges and Potential Opportunities for Local Construction Industry	Engr. Farhan Saleem	Dr. Rana Rabnawaz Ahmed Engr. Syed Muhammad Shahrukh Ali

EIGHTH SEMESTER EXAM SCHEDULE OF CE- 409 FINAL YEAR DESIGN PROJECT**Date: 18 August, 2023 (Friday)**

Venue: UGCC-Lab 1				Time	Venue: UGCC-Lab 2			
Group No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)		Group No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)
G-34	Deconstruction Versus Demolition - Exploration of Key Challenges & Opportunities for Local Construction Sector	Dr. Rana Rabnawaz Ahmed	Dr. Syed Salman Mobeen	9:00 - 10:00	G-24	Performance Based Assessment of Existing Bridges in Karachi	Dr. Aslam Faqeer Mohammad	
G-50	Probabilistic Analysis of Dam	Dr. Sadaf Qasim		10:00 - 11:00	G-49	Seismic Resilience Level of Nawabshah District Based on Probabilistic Seismic Hazard Assessment	Dr. Muhammad Ahmed	Dr. Syed Salman Mobeen
G-27	Experimental Study of Strengthening of Reinforced Concrete Beams Using Ferro Cement	Dr. Fawwad Masood	Engr. Muhammad Saad Khan Engr. Muhammad Yousuf Iqbal	11:00 - 12:00	G-33	The Application of Plastic Trash as Recycled Material in the Construction Industry	Dr. Rana Rabnawaz Ahmed	Prof. Dr. Rizwan Ul Haque Farooqui
G-28	Experimental Study of Use of Ferro Cement for Construction of Water Tank	Dr. Fawwad Masood	Dr. Syed Salman Mobeen	12:00 - 1:00	G-46	Effect of Road Defects on Health of Various Road Users	Dr. Ashar Ahmed	Dr. Muhammad Ahmed
Prayers and Lunch Break								
G-40	Microalgae for Environmental Sustainability – Wastewater Treatment and Biofuels Production	Dr. Mehmood Ali		2:30 - 3:30	G-52	Relationship Development Between Carbon Monoxide (CO) and Roadway Traffic for Urban Arterials Using Artificial Intelligence (AI)	Dr. Sajjad Ali	
G-45	Road Improvement Plan for Urban Arterials in Karachi	Dr. Afzal Ahmed	Dr. Muhammad Ahmed	3:30 - 4:30	G-54	Relationship Development Between Noise Levels and Roadway Traffic for Urban Arterials Using Artificial Intelligence (AI)	Dr. Sajjad Ali	

EIGHTH SEMESTER EXAM SCHEDULE OF CE- 409 FINAL YEAR DESIGN PROJECT**Date: 21 August, 2023 (Monday)**

Venue: UGCC-Lab 1				Time	Venue: UGCC-Lab 2			
Group No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)		Group No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)
G-30	Railway Infrastructure Assets Management Framework Development	Engr. Syed Muhammad Noman	Engr. Farhan Jamil	9:00 - 10:00	G-35	Residual Capacity of Beam with Corroded Reinforcement	Prof. Dr. Muhammad Masood Rafi	Dr. Aslam Faqeer Mohammad
G-56	Application of Digital Twin in the Construction Industry	Engr. Muhammad Saqib	Dr. Rana Rabnawaz Ahmed Engr. Shahzad Ahmed	10:00 - 11:00	G-44	Traffic Signal Synchronization and Optimization	Dr. Afzal Ahmed	
G-57	Implementation of Block Chain Technology in Construction Industry for the Process of Pre-Qualification Process of a Bidder	Engr. Muhammad Saqib	Engr. Shahzad Ahmed	11:00 - 12:00	G-43	Development of an Evacuation Model for the Risk Prone Area of Karachi	Dr. Afzal Ahmed	
G-23	Seismic Evaluation of Existing RC Hospital Buildings in Karachi	Dr. Aslam Faqeer Mohammad	Prof. Dr. Rashid Ahmed Khan	12:00 - 1:00	G-51	Comparative Study of Major Landslide of Northern Pakistan	Dr. Sadaf Qasim	Engr. Sadia Moin
Prayers and Lunch Break								
G-59	The Study of Effect on the Compaction Properties of Soil by Adding Cement	Prof. Dr. Amanullah Marri	Dr. Sadaf Qasim	2:30 - 3:30	G-17	Numerical Investigation of Strengthened RC Slabs Subjected to Domestic Blast Activities	Dr. Shamsun Fareed	Prof. Dr. Asad-ur-Rehman Khan
G-20	Analyzing Energy Consumption and the Carbon Emissions of Wastewater Treatment Operation	Dr. Syeda Saria Bukhary		3:30 - 4:30				

Haris
10/08/2023

Prepared By: Mr. Haris Akram Bhatti
FYDP Coordinator

Approved By: Prof. Dr. Abdul Jabbar Sangi
Ag. Chairman

10/08/23 *ag-cuo*