

SEVENTH SEMESTER EXAM SCHEDULE OF CE- 409 FINAL YEAR DESIGN PROJECT

Date: 30 December, 2024 (Monday)

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-1	Strengthening of Reinforced Concrete Columns under Axial Compression Loading Using Taparan FRP	Prof. Dr. Asad-ur-Rehman Khan	Engr. Ayesha Akram	9:30 - 10:00	G-8	Modeling Soil Behavior under Static Loading Using Plaxis	Prof. Dr. Amanullah Marri	Engr. Shoaib Akhter
G-2	Strengthening of Reinforced Concrete Beams in Shear Using Taparan FRP	Prof. Dr. Asad-ur-Rehman Khan	Engr. Juwairia Asad	10:00 - 10:30	G-9	Deformation Characteristics of Soil under Repeated Loadings	Prof. Dr. Amanullah Marri	
G-3	Strengthening of Reinforced Concrete Beams in Flexure Using Taparan FRP	Prof. Dr. Asad-ur-Rehman Khan	Engr. Juwairia Asad	10:30 - 11:00	G-10	Modeling Soil Behavior under Dynamic Loading Using Plaxis	Prof. Dr. Amanullah Marri	Engr. Shoaib Akhter
G-4	Durability Assessment of Structural Components of Bridge	Prof. Dr. Asad-ur-Rehman Khan	Dr. Wajeeha Mahmood Dr. Fatima Khalid	11:00 - 11:30	G-40	Sustainable Urban Stormwater Management Using Simulation Models	Dr. Areba Syed	
G-5	Evaluating Bond Behavior between GFRP Reinforcing Bars and Concrete	Prof. Dr. Abdul Jabbar Sangi	Dr. Fawwad Masood Engr. Muhammad Saad Ibrahimi	11:30 - 12:00	G-41	Climate Change Analysis and Its Potential Impacts on Water Resources	Dr. Areba Syed	
G-6	Tension Stiffening Behavior of GFRP-Reinforced Concrete	Prof. Dr. Abdul Jabbar Sangi	Dr. Fawwad Masood Engr. Muhammad Saad Ibrahimi	12:00 - 12:30	G-42	Sustainable Water Distillation for Purification Using Solar Energy and Mirrors for Marginalized Communities	Dr. Areba Syed	Dr. Abdul Ghaffar
G-7	Mechanical Characterization of GFRP Bars in Compression	Prof. Dr. Abdul Jabbar Sangi	Dr. Fawwad Masood Engr. Muhammad Saad Ibrahimi	12:30 - 1:00	G-43	Estimating Community Vulnerability through Groundwater Assessment and Mapping for Karachi	Dr. Areba Syed	

Prayer and Lunch Break (1:00 - 2:30)

G-16	Circular Economy Principles' Integrated Design and Digitization of Green Building	Dr. Farrukh Arif	Engr. Faiza Saeed	2:30 - 3:00	G-29	Sustainable Water Resource Management in the Malir River Basin	Engr. Haris Akram Bhatti	Engr. Hamna Hasan
G-17	Living Lab - Digital Twin Integrated Framework for Development of Energy Efficient Housing Community Guidelines	Dr. Farrukh Arif	Engr. Faiza Saeed	3:00 - 3:30	G-30	Precipitation Driven Water Quality Analysis and Modeling at Hub and Darawat Dam	Engr. Haris Akram Bhatti	Engr. Hamna Hasan
G-18	Decision-Support Framework for Bridge Infrastructure Maintenance using Predictive Condition Assessment and Immersive Visualization	Dr. Farrukh Arif	Engr. Waleed Ahmed Khan	3:30 - 4:00	G-31	Permeable Pavements: A Green Solution for Reducing Urban Flooding	Engr. Haris Akram Bhatti	

SEVENTH SEMESTER EXAM SCHEDULE OF CE- 409 FINAL YEAR DESIGN PROJECT

Date: 31 December, 2024 (Tuesday)

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-11	Flexural Behaviour of Self-Healing PVA Fibres Reinforced Concrete	Prof. Dr. Tehmina Ayub	Prof. Dr. Sadaqat Ullah Khan	9:30 - 10:00	G-36	Digital Twin Aided Carbon Footprint Analysis for an Industrial Project	Dr. Rana Rabnawaz Ahmed	
G-12	Stress Corrosion Cracking of A615 Steel Bars Exposed to Natural and Simulated Environment	Prof. Dr. Tehmina Ayub	Prof. Dr. Sadaqat Ullah Khan	10:00 - 10:30	G-37	Digital Footprint of HBIM: A Step towards Innovative Preservation of Architectural Buildings	Dr. Rana Rabnawaz Ahmed	
G-13	Stress Corrosion Cracking of A615 Steel Bars Exposed to Natural and Simulated Environment	Prof. Dr. Tehmina Ayub	Prof. Dr. Sadaqat Ullah Khan	10:30 - 11:00	G-38	Application of Circularity Principles to Address Health and Safety Challenges in Construction Sector	Dr. Rana Rabnawaz Ahmed	
G-14	Effect of Industrial Waste as Supplementary Materials on the Production of High-Performance Self-Healed Concrete	Prof. Dr. Tehmina Ayub	Dr. Fatima Khalid	11:00 - 11:30	G-39	Enhancing Thermal Comfort through Physical Interventions: A Cost - Effective Solution for Institutional Facilities	Dr. Rana Rabnawaz Ahmed	
G-32	Comparative Analysis of GFRP RC vs Steel RC in a Mid-rise Building	Dr. Fawwad Masood	Engr. Adnan Rais Ahmed	11:30 - 12:00	G-27	Energy Decarbonisation of Wastewater Treatment Operation	Dr. Syeda Saria Bukhary	
G-52*	Digital Twin Modeling for Real-time Progress Monitoring of a Building Construction Site	Dr. Farrukh Arif	Engr. Syed Muhammad Shahrkh Ali	12:00 - 12:30	G-15	1D Coupled Landslide Modelling for Surface Wave Generation	Dr. Haider Hasan	Engr. Shahrkh Khan
G-53	Development of Virtual Reality Application for Construction Worksite Safety	Dr. Farrukh Arif	Engr. Waleed Ahmed Khan	12:30 - 1:00	G-44	Modelling Waves in Harbour	Dr. Haider Hasan	Engr. Shahrkh Khan
Prayer and Lunch Break (1:00 - 2:30)								
G-45	Noise and Air Quality Assessment for Selected Section of Railway	Dr. Sajjad Ali		2:30 - 3:00	G-19	Comparative Analysis of Slope Stability through Vegetation Covers	Dr. Sadaf Qasim	Engr. Sadia Moin
G-46	Noise Level Assessment for Segregated Traffic Mix in Selected Urban Spatio-temporal Conditions	Dr. Sajjad Ali		3:00 - 3:30	G-20	Effect of Climate on Strength of Soil	Dr. Sadaf Qasim	
G-47	Air Quality Assessment for Segregated Traffic Mix in Selected Urban Spatio-temporal Conditions	Dr. Sajjad Ali		3:30 - 4:00	G-50	Carbon Dioxide Bio-fixation and Growth Kinematics Study of Microalgae Cultivation	Dr. Mehmood Ali	Dr. Sadia Khan

Note: The groups highlighted in the schedule have already delivered their presentations

The groups marked with an asterisk (*) have not yet been assigned a presentation date.

SEVENTH SEMESTER EXAM SCHEDULE OF CE- 409 FINAL YEAR DESIGN PROJECT

Date: 1 January 2025 (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-21	Mechanical Properties of Ultra-High Strength Concrete	Dr. Shamsoon Fareed	Engr. Ayesha Ayub	9:30 - 10:00	G-34	Analysis of Fuel Reduction Approach in Urban Railway	Engr. Syed Muhammad Noman	
G-22	Axially Loaded Ultra High Strength Concrete Columns under High Mass Low Velocity Impact Loading	Dr. Shamsoon Fareed	Engr. Adnan Rais Ahmed	10:00 - 10:30	G-35	Feasibility Assessment of Mass Transportation System	Engr. Syed Muhammad Noman	
G-23	Ultra High Strength Reinforced Concrete Slabs under High Mass Low Velocity Impact Loading	Dr. Shamsoon Fareed	Dr. Fatima Khalid	10:30 - 11:00	G-28	SMART PPE: Enhancing Construction Workers' Safety through Smart Helmet Technology	Engr. Farhan Saleem	
G-24	Ultra High Strength Reinforced Concrete Beams under High Mass Low Velocity Impact Loading	Dr. Shamsoon Fareed	Engr. Samra Masood	11:00 - 11:30	G-54	Smart Building Monitoring Using Digital Twin Technology	Engr. Farhan Saleem	
G-25	FEA of RC Beams Strengthened with Externally Bonded FRP & Metal Sheets	Dr. Syed Salman Mobeen	Engr. Muhammad Saad Khan	11:30 - 12:00	G-55	Reducing Project Delays due to Inefficient Document Management Practices in Local Construction Sector	Dr. Rana Rabnawaz Ahmed	Engr. Syed Muhammad Shahrukh Ali
G-26	Performance Based Evaluation and Design of High-Rise RCC Buildings with Buckling Restrained Bracing in the Lateral Load Resisting System	Dr. Syed Salman Mobeen	Dr. Aslam Faqeer Mohammad	12:00 - 12:30	G-56	To Develop a BIM-Integrated Safety Issue Reporting System with Data Analytics for Enhanced Safety and Operational Construction Site Management	Dr. Nida Azhar	
G-48	Effect of Reinforcement Detailing in Mass Concrete Spillway of a Large Dam During Extreme Cases like Differential Settlement	Prof. Dr. Rashid Ahmed Khan	Engr. Adnan Rais Ahmed	12:30 - 1:00	G-49*	Assessing the Readiness of Pakistan's Construction Industry for Implementing Circular Economy Principles	Dr. Nida Azhar	

Prayer and Lunch Break (1:00 - 2:30)

G-51	Sensor & Satellite Based Water Quality Monitoring Using IoT & GEE Applications in Real Time	Dr. Abdul Ghaffar		2:30 - 3:00	G-33*	Real Estate Property Management using Blockchain-Oriented Geospatial Technique	Dr. Sajjad Ali	Engr. Syed Muhammad Shahrukh Ali
				3:00 - 3:30				
				3:30 - 4:00				

Note:

The groups highlighted in the schedule have already delivered their presentations

The groups marked with an asterisk (*) have not yet been assigned a presentation date.

Mr. Haris Akram Bhatti

Approved By:

Prof. Dr. Abdul Jabbar Sangi