

Quaid-e-Azam College of Engineering and Technology, Sahiwal

Course Offering Report

Course Offering for: B.Sc Civil Engineering (Morning) 2016 (Fall)

Department: Civil Engineering (QETS)

Printed Date: 06-Jan-2021

| Semester 1 | | | | |
|--------------|-----------------------------|-----------------------|------------------------|--|
| Course No | Title | Credit Hrs TH + PR | Knowledge Area | Pre- requisite Courses (if any) |
| CE-103 | Construction Material | 3.0+0 | Engineering Foundation | |
| CE-105 | Civil Engineering Drawing | 1.0+0 | Engineering Foundation | |
| CE-105L | Civil Engineering Drawing | 0+2.0 | Engineering Foundation | |
| ME-119 | Basic Mechanical Technology | 1.0+0 | Engineering Foundation | |
| MinE-170 | Basic Engineering Geology | 2.0+0 | Engineering Foundation | |
| MA-111 | Applied Mathematics-I | 3.0+0 | Natural Sciences | |
| HU-101L | Communication Skills | 0+1.0 | Humanities | |
| EE-198 | Basic Electrical Technology | 1.0+1.0 | Engineering Foundation | |
| Total | | 15.0 | | |

| Semester 2 | | | | |
|--------------|------------------------------|-----------------------|------------------------|--|
| Course No | Title | Credit Hrs TH + PR | Knowledge Area | Pre- requisite Courses (if any) |
| CE-101 | Elementary Surveying | 3.0+1.0 | Engineering Foundation | |
| CE-150 | Computer Programming | 2.0+1.0 | Computing | |
| MA-112 | Applied Mathematics-II | 3.0+0 | Natural Sciences | |
| IS-101 | Islamic & Pakistan Studies-I | 3.0+0 | Humanities | |
| ME-100L | Workshop Practice | 0+1.0 | Engineering Foundation | |
| PHY-122 | Basic Mechanics | 2.0+1.0 | Natural Sciences | |
| Total | | 17.0 | | |

| Semester 3 | | | | |
|------------|-------|-----------------------|----------------|--|
| Course No | Title | Credit Hrs TH + PR | Knowledge Area | Pre- requisite Courses (if any) |

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|--------------|---------------------------------------|-------------|------------------------|-----------------------------------|
| CE-201 | Surveying and GIS-RS Applications | 3.0+0 | Engineering Foundation | |
| CE-201L | Surveying and GIS-RS Applications | 0+1.0 | Engineering Foundation | |
| CE-206L | Social Sciences | 0+1.0 | Humanities | |
| CE-212 | Mechanics of Materials | 3.0+0 | Engineering Foundation | |
| CE-212L | Mechanics of Materials | 0+1.0 | Engineering Foundation | 1. PHY-122L Basic Mechanics |
| CE-231 | Fluid Mechanics - I | 3.0+1.0 | Engineering Foundation | |
| IS-201 | Islamic & Pakistan Studies-II | 3.0+0 | Humanities | |
| MA-256 | Probability and Statistical Processes | 2.0+0 | Natural Sciences | |
| Total | | 18.0 | | |

| Semester 4 | | | | |
|-------------------|---|-------------------------------|------------------------|---|
| Course No | Title | Credit Hrs TH + PR | Knowledge Area | Pre-requisite Courses (if any) |
| CE-205 | Civil Engineering Construction & Graphics | 2.0+0 | Computing | 1. CE-105 Civil Engineering Drawing |
| CE-205L | Civil Engineering Construction & Graphics | 0+1.0 | Computing | 1. CE-105L Civil Engineering Drawing |
| CE-207 | Engineering Economy & Construction Management | 3.0+1.0 | Management Sciences | 1. CE-105 Civil Engineering Drawing |
| CE-211 | Elementary Structural Analysis | 3.0+0 | Engineering Foundation | |
| CE-221 | Geotechnical Engineering - I | 3.0+1.0 | Engineering Foundation | |
| MA-240 | Numerical Analysis | 2.0+1.0 | Natural Sciences | |
| Total | | 17.0 | | |

| Semester 5 | | | | |
|-------------------|--------------|-------------------------------|-----------------------|--|
| Course No | Title | Credit Hrs TH + PR | Knowledge Area | Pre- requisite Courses (if any) |
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|--------------|-----------------------------------|-------------|--------------------------|--|
| CE-311 | Structural Analysis | 2.0+0 | Major Based Core (Depth) | |
| CE-321 | Geotechnical Engineering - II | 3.0+1.0 | Management Sciences | |
| CE-313 | Steel Structures | 3.0+1.0 | Major Based Core (Depth) | |
| CE-332 | Engineering Hydrology | 2.0+0 | Management Sciences | |
| CE-332L | Engineering Hydrology | 0+1.0 | Management Sciences | |
| MGT-317 | Project Management in Engineering | 3.0+0 | Management Sciences | |
| Total | | 16.0 | | |

| Semester 6 | | | | |
|-------------------|---------------------------------|-------------------------------|----------------------------|---|
| Course No | Title | Credit Hrs TH + PR | Knowledge Area | Pre-requisite Courses (if any) |
| CE-312 | Structural Mechanics | 3.0+1.0 | Major Based Core (Breadth) | 1. CE-212 Mechanics of Metarials |
| CE-314 | Plain & Reinforced Concrete - I | 3.0+1.0 | Major Based Core (Breadth) | 1. CE-103 Construction Material 2. CE-212 Mechanics of Metarials |
| CE-331 | Fluid Mechanics - II | 3.0+1.0 | Major Based Core (Depth) | 1. CE-231 Fluid Mechanics - I |
| CE-315 | Hazards and Disaster Management | 2.0+0 | Management Sciences | |
| HU-200 | Technical Report Writing | 3.0+0 | Humanities | |
| Total | | 17.0 | | |

| Semester 7 | | | | |
|-------------------|----------------------------------|-------------------------------|--------------------------|---|
| Course No | Title | Credit Hrs TH + PR | Knowledge Area | Pre-requisite Courses (if any) |
| CE-401 | Structural Engineering | 3.0+0 | Major Based Core (Depth) | |
| CE-401L | Structural Engineering | 0+1.0 | Major Based Core (Depth) | |
| CE-411 | Plain & Reinforced Concrete - II | 3.0+0 | Major Based Core (Depth) | |
| CE-411L | Plain Reinforecd Concrete - II | 0+1.0 | Major Based Core (Depth) | |

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|--------------|----------------------------|-------------|----------------------------|---|
| CE-421 | Transportation Engineering | 3.0+1.0 | Major Based Core (Breadth) | 1. CE-221 Geotechnical Engineering - I |
| CE-424 | Hydraulic Engineering | 3.0+1.0 | Major Based Core (Depth) | 1. CE-231 Fluid Mechanics - I |
| CE-499 | Project-I | 0+3.0 | Major Based Core (Depth) | |
| Total | | 19.0 | | |

| Semester 8 | | | | |
|-------------------|--------------------------------------|-------------------------------|----------------------------|---|
| Course No | Title | Credit Hrs TH + PR | Knowledge Area | Pre-requisite Courses (if any) |
| CE-431 | Irrigation Engineering | 3.0+1.0 | Major Based Core (Breadth) | 1. CE-231 Fluid Mechanics - I |
| CE-422 | Design of Structures | 2.0+1.0 | Major Based Core (Depth) | 1. CE-311 Structural Analysis 2. CE-314 Plain & Reinforced Concrete - I |
| CE-423 | Pavement & Foundation Engineering | 3.0+0 | Major Based Core (Depth) | 1. CE-321 Geotechnical Engineering - II 2. CE-321L Geotechnical Engineering - II |
| EnE-440 | Environmental Engineering | 3.0+1.0 | Major Based Core (Breadth) | |
| CE-499L | Project-II | 0+3.0 | Senior Design Project | |
| Total | | 17.0 | | |