## **Edition 5** CIVIL ENGINEERING DEPARTMENT Courses Sem Y **IAS 111 ENGL 119 CHEM 111 MATH 111 PHYS 111** PE 111 **Arabic Language** Freshman **Academic Writing General Chemistry** Calculus I **General Physics I** Physical Education I **Foundation CE 121 CE 122 IAS 121 PHYS 121 CE 123** Math 121 2<sup>nd</sup> **Computer Graphics** Statics **General Physics II Geology for Engineers Islamic Culture** Calculus II **CS 110 CE 212 CE 211 CE 213 MATH 210** Computer **MECH 221 Engineering Fluid Structural Mechanics** Calculus III Surveying Sophomore **Dynamics Programing Mechanics ENGL 129 CE 221 CE 224 CE 223 CE 222 Environmental** Professional Geotechnical Structural Analysis Structural Materials Engineering Principles Communication Engineering **CE 319 CE 318 MATH 222** 1<sup>st</sup> **CE 312 IAS 211 CE 311** Foundation of Earth **Transportation** Differential Equation and **Professional Ethics** Reinforced Concrete Engineering Hydrology I Junior **Structures** Engineering Linear Algebra in Islam **BUS 481 CE 322 CE 321 IAS 221** 2<sup>nd</sup> CE xxx **ENGL 213 MATH 250** Construction Estimating Engineering Capstone Design Project **Arabic Communication Elective-I Technical Writing Probability and Statistics** Skills and Costing **Economics** CE 419 **CE 413 CE 418 BUS 482 CE xxx CE xxx Construction Methods** Capstone Design Project Computational **Business Principles and** Elective- II Elective- III and Management Senior **Mechanics Practices** 2<sup>nd</sup> CE 492 Field Training (COOP) Elective Courses: CE 414 Structure Analysis II (CE 223) CE 436 Geotechnical Engineering II (CE 224) **Mechanical Engineering Courses Civil Engineering Department** CE 415 Pavement Engineering (CE 318) CE 439 Seepage Analysis & its Control (CE 224) CE 422 Steel Design CE 442 Project Surveying (CE 213) (CE 223) CE 420 Soil Stabilization & site improvement CE 423 Reinforced Concrete II (CE 312) (CE 319) **Computer Science Department Business Department Courses** CE 416 Hydraulic Engineering (CE 212) CE 421 Water & Wastewater Engineering (CE 212 & CE 221) CE 424 Design of Pavement (CE 222) **General Studies Courses English Department Courses**