

List of Courses

Candidates for the M.Sc/M.Phil Programme must take all the compulsory courses and also select some courses from the electives where applicable. Candidates for the Ph.D. programme are permitted to select their courses from any of the elective courses not previously taken for their masters programme.

The courses offered in the Department are as follows:

(i) Construction Management and Building Maintenance Management Compulsory Courses:

Harmattan Semester

<i>Course Code</i>	<i>Course Title</i>	<i>Unit</i>
BLD 601	Advanced Management in Construction	3
BLD 602	Design and Construction Methodology	3
BLD 603	Building Economy and Industrial Organization	3
QTS 601	Construction Logistic and Estimating	3
CSC 621	Advanced Operation Research	3

Rain Semester

Any two courses from the following:

(a) Construction Management

<i>Course code</i>	<i>Course Title</i>	<i>Unit</i>
BLD 604	Building Project Finance	3
BLD 605	Construction Plant and Equipment	3
BLD 606	Work Study Applied to Building	3
BLD 607	Advanced Management Studies	3
QTS 604	Applied Building Contracts	3
MBA 652	Management Information Systems	2

(b) Maintenance Management

<i>Course Code</i>	<i>Course Title</i>	<i>Units</i>
BLD 611	Building Maintenance Technology	3
BLD 612	Principle and Practice of Maintenance	3
BLD 613	Building Codes and Regulations	3
QTS 604	Applied Building Contracts	3
CSC 621	Advanced Operation Research	3
MBA652	Management Information Systems	2

(ii) Building Structures

Harmattan Semester

Compulsory Courses

<i>Course Code</i>	<i>Course Title</i>	<i>Units</i>
BLD 615	Building Material and Structure	3
BLD 616	Theory of Structures	3
BLD 617	Structural Stability	3
BLD 618	Strength of Materials	3
CSC 621	Advanced Operations Research	3
BLD636	Elasticity	3

Rain Semester

Any two Courses from the following

<i>Course code</i>	<i>Course Title</i>	<i>Units</i>
BLD 619	Advanced Structural Analysis	3
BLD 620	Advanced Design of Timber Structures	3
BLD 621	Advanced Design Reinforced concrete Structures	3
BLD 622	Advanced Design of Steel Structures	3
BLD 623	Concrete Practice	3
BLD 634	Finite Element Analysis	3
BLD 635	Structural Dynamics	3

(iii) *Building Service and Energy Conservation*

Harmattan Semester

<i>Course code</i>	<i>Course Title</i>	<i>Units</i>
BLD 625	Thermodynamics and Aerodynamic of Buildings	3
BLD 626	Building Services Design Theory	3
BLD 627	Climate and Thermal Comfort	3
BLD628	Introduction of Energy Management	3
BLD 621	Advanced Operation Research	3

Rain Semester

Any two Courses from the following

<i>Course code</i>	<i>Course Title</i>	<i>Units</i>
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BLD 629	Ventilation and Air-conditioning	2
BLD 630	Advanced Vibration and Noise Control	2
BLD 631	Lighting and Electrical Service	2
BLD 632	Energy Conservation Methodologies	2
BLD 633	Energy Accounting	3