

Doctor of Engineering (Irrigation Engineering)

Plan 1.1 (Non courseworks for M.Eng holders)

The total minimum requirement		48 credits
a. Major courses	not less than	5 credits
		(Non-credit)
- Seminar		4 credits
		(Non-credit)
- Required courses		1 credits
		(Non-credit)
b. Thesis	not less than	48 credits
Courses		
a. Major courses	not less than	4 credits
		(Non-credit)
- Seminar		4 credits
		(Non-credit)
02201697 Seminar		1,1,1,1
- Required courses		1 credit
		(Non-credit)
02201691 Advanced Research Techniques in Irrigation Engineering		1(1-0-2)
b. Thesis	not less than	48 credits
02201699 Thesis		1-48

Plan 1.2 (Non-courseworks for B.Eng holders)

The total minimum requirement		72 credits
a. Major courses	not less than	7 credits
		(Non-credit)
- Seminar		6 credits
		(Non-credit)
- Required courses		1 credit
		(Non-credit)
b. Thesis	not less than	72 credits
Courses		
a. Major courses	not less than	7 credits
		(Non-credit)
- Seminar		6 credits
02201697 Seminar		1,1,1,1,1,1
- Required courses		1 credit
		(Non-credit)
02207691 Advanced Research Techniques in Irrigation Engineering		1 (1-0-2)
b. Thesis	not less than	72 credits
02207699 thesis		1-72

Plan 2.1 (Courseworks + Thesis for M.Eng holdres)

The total minimum requirement 48 credits

a. Major courses not less than 12 credits

- Seminar 4 credits

- Required courses 1 credit

- Technical elective 7 credits

b. Thesis not less than 36 credits

Courses

a. Major courses not less than 12 credits

- Seminar 4 credits

02201697 Seminar 1,1,1,1

- Required courses 1 credit

02207691 Advanced Research Techniques in Irrigation Engineering 1 (1-0-2)

- Technical elective not less than 7 credits

Choose at least 7 units from the irrigation programme in the 600 series , as following:

02207621 Flow Control Systems 3 (3-0-6)

02207631 Stochastic Analysis of Irrigation System 3 (3-0-6)

02207632 Climate Change and Water Management under Critical Condition 3 (3-0-6)

02207633 Land Improvement Engineering 3 (3-0-6)

02207641 River Basin System Modeling for Water Management 3 (3-0-6)

02207642 Advanced Optimization for Water Management 3 (3-0-6)

02207643 Multicriteria Decision Making and Decision Support System 3 (3-0-6)

02207651	Advanced Flow Computation in Irrigation System	3 (3-0-6)
02207661	Water Quality Management and Monitoring	3 (3-0-6)
02207696	Selected Topics in Irrigation Engineering	1-3
02207698	Special Problems	1-3
b. Thesis	not less than	36 credits
02201699	Thesis	1-36

Plan 2.2 (Courseworks + Thesis for B.eng holders)

The total minimum requirement 72 credits

a. Major courses	not less than	24 credits
- Seminar		6 credits
- Required courses		10 credit
- Technical elective		8 credits
b. Thesis	not less than	48 credits

Courses

a. Major courses	not less than	24 credits
- Seminar		6 credits
02201697 Seminar		1,1,1,1,1,1
- Required courses		10 credit
02207511 Irrigation Science and Technology		3 (3-0-6)
02207551 Computational Methods in Irrigation Engineering		3 (3-0-6)
02207591 Research Techniques in Irrigation Engineering		3 (3-0-6)
02207691 Advanced Research Techniques in Irrigation Engineering		1 (1-0-2)

