

COURSES TAUGHT AND DEVELOPED

Since my joining at TRU, I taught ten (10) different courses in the ARET and Engineering Transfer Program. I have developed, designed and taught four new courses for our 4th-year program. These 4th year courses were offered for the first time within the ARET program after my joining at TRU. In addition, I constantly update/refine course contents and presentation slides for all the courses assigned to me.

1. Thompson Rivers University, BC (2015-2019)

In my four (04) years of service at TRU, I have taught the following courses:

Courses Taught:

1. Civil Structural 1 (2,0,2), ARET 4600, 2 Credits-4th Year
2. Civil Structural 2 (2,0,2), ARET 4610, 2 Credits -4th Year
3. Architectural & Planning Systems 1 (2,2,2),ARET 4300, 3 Credits-4th Year (Structure Part)
4. Architectural & Planning Systems 2 (2,2,2),ARET 4310, 3 Credits-4th Year (Structure Part)
5. Structural Analysis (3,0,0), ARET 3600, 3 Credits-3rd year
6. Fluid Mechanics (4,0,0), ARET 3400, 3 credits- 3rd year
7. Statics and Strength of Materials (5,0,0), ARET 2600, 3 Credits-2nd year
8. Civil Technology 1 (4,1,2), ARET 1400, 3 Credits-1st year
9. Construction Surveying (60 Hours), ARET 1410, 3 Credits-1st Year
10. Engineering Graphics (2,0,3), DRAF 1520, 3 Credits-1st year (Engineering Transfer Program)

New Course Developed:

1. Civil Structural 1 (ARET 4600)-4th Year
2. Civil Structural 2 (ARET 4610)-4th Year
3. Architectural & Planning Systems 1 (ARET 4300) 4th Year (Structure portion)
4. Architectural & Planning Systems 2 (ARET 4310) 4th Year (Structure portion)

1.1 Academic Year of 2015-2016

The detail of the courses I taught in the academic year of 2015-2016 are as follows:

	Subject	Section	Term	Title	# of Students	Credits
1	ARET3400	01	Fall 2015 (Sep-Dec)	Fluid Mechanics	28	3
2	ARET4600	01	Fall 2015 (Sep-Dec)	Civil Structural 1	11	2
3	ARET4600	L01	Fall 2015 (Sep-Dec)	Civil Structural 1	11	0
4	ARET 4300	01	Fall 2015 (Sept-Dec)	Architectural & Planning system 1	11	3
5	ARET 4310	01	Winter 2016 (Jan-Apr)	Architectural & Planning 2	09	3
6	ARET1400	01	Winter 2016 (Jan-Apr)	Civil Technology 1	31	3
7	ARET1400	L01	Winter 2016 (Jan-Apr)	Civil Technology 1	12	0
8	ARET1400	L02	Winter 2016 (Jan-Apr)	Civil Technology 1	18	0
9	ARET1400	S01	Winter 2016 (Jan-Apr)	Civil Technology 1	14	0
10	ARET1400	S02	Winter 2016 (Jan-Apr)	Civil Technology 1	16	0
11	ARET1410	01	Winter 2016 (Jan-Apr)	Construction Surveying	29	3
12	ARET1410	S01	Winter 2016 (Jan-Apr)	Construction Surveying	19	0
13	ARET1410	S02	Winter 2016 (Jan-Apr)	Construction Surveying	10	0
14	ARET4610	01	Winter 2016 (Jan-Apr)	Civil Structural 2	9	2
15	ARET4610	L01	Winter 2016 (Jan-Apr)	Civil Structural 2	9	0

Note: Section 01-lecture for group 1,
L01- lab class for group 1,
S01- Seminar for group1

1.2 Academic Year of 2016-2017

The detail of the courses I taught in the academic year of 2016-2017 are as follows:

	Subject	Section	Term	Title	# of Students	Credits
1	ARET 3400	01	Fall 2016 (Sep-Dec)	Fluid Mechanics	26	3
2	ARET 3600	01	Fall 2016 (Sep-Dec)	Structural Analysis	24	3
3	DRAF 1520	01	Fall 2016 (Sep-Dec)	Engineering Graphics	57	3
4	ARET 1400	01	Winter 2017 (Jan-Apr)	Civil Technology 1	38	3
5	ARET 1400	L01	Winter 2017 (Jan-Apr)	Civil Technology 1	19	0
6	ARET 1400	L02	Winter 2017 (Jan-Apr)	Civil Technology 1	19	0
7	ARET 1400	S01	Winter 2017 (Jan-Apr)	Civil Technology 1	20	0
8	ARET 1400	S02	Winter 2017 (Jan-Apr)	Civil Technology 1	18	0
9	ARET 1410	01	Winter 2017 (Jan-Apr)	Construction Surveying	37	3
10	ARET 1410	S01	Winter 2017 (Jan-Apr)	Construction Surveying	19	0
11	ARET 1410	S02	Winter 2017 (Jan-Apr)	Construction Surveying	18	0

1.3 Academic Year of 2017-2018

The detail of the courses I taught in the academic year of 2017-2018 are as follows:

	Subject	Section	Term	Title	# of Students	Credits
1	ARET 3400	01	Fall 2017 (Sep-Dec)	Fluid Mechanics	18	3
2	ARET 3600	01	Fall 2017 (Sep-Dec)	Structural Analysis	19	3
3	DRAF 1520	01	Fall 2017 (Sep-Dec)	Engineering Graphics	51	3

	Subject	Section	Term	Title	# of Students	Credits
4	ARET 2600	01	Winter 2018 (Jan-Apr)	Statics and Strength of Materials	36	3
5	ARET 1400	01	Winter 2018 (Jan-Apr)	Civil Technology 1	28	3
6	ARET 1400	L01	Winter 2018 (Jan-Apr)	Civil Technology 1	13	0
7	ARET 1400	L02	Winter 2018 (Jan-Apr)	Civil Technology 1	15	0
8	ARET 1400	S01	Winter 2018 (Jan-Apr)	Civil Technology 1	18	0
9	ARET 1400	S02	Winter 2018 (Jan-Apr)	Civil Technology 1	10	0
10	ARET 1410	01	Winter 2018 (Jan-Apr)	Construction Surveying	26	3
11	ARET 1410	S01	Winter 2018 (Jan-Apr)	Construction Surveying	20	0

2. University Sarawak Malaysia (2007-2011)

Courses Taught:

2.1 Undergraduate Level:

1. KNS 1013, Statics, 3 Credits-1st Year
2. KNS 1053, Dynamics, 3 credit-1st Year
3. KNS 1063 Strength of Materials, 3 Credits-1st Year
4. KNS 1633 Engineering Mechanics, 3 credit -1st Year (old)
5. KNS 1461 Civil Engineering Laboratory 2-1st Year
6. KNS 2413 Introduction to Reinforced Concrete Design 3 credits -2nd year
7. KNS 3173 Reinforced Concrete Design, 3 credits-3rd Year (old)
8. KNS 3643 Reinforced Concrete Design , 3 credits-3rd Year (new)
9. KNS 4442 Integrated Design Project (semester 1 & 2)-4th Year

2.2 Graduate Level

1. KNS 6213 Advanced Prestresses Concrete Design, 03 Credit-**Master's Program**
2. KNS 6603 Advance Numerical Methods in Civil Engineering, 03 Credits- **Master's Program**

2.3 New Courses Developed

1. KNS-6213 Advanced Prestressed Concrete design,3 Credit- Masters Program
2. KNS 6603 Advance Numerical Methods in Civil Engineering,3 Credits- Masters Program
3. KNS 4442 Integrated Design Project (semester 1 & 2)-4th Year

2.4 Teaching Award

Received excellent academic staff award (Teaching) in the year of 2008 and in 2009, Faculty of Engineering, University Malaysia Sarawak.

3. Curtin University of Technology (2005-2007)

3.1 Undergraduate Level

1. Engineering Mechanics 100, 25 credit points (Sem1 & Sem 2)-1st Year
2. Structural Design 266, 25 Credit points (semester 2)-2nd Year
3. Civil & Structural Design 365 , 25 Credit points (semester 1)-3rd Year
4. Civil & Structural Design 366, 25 Credit Points (semester 2)-3rd year
5. Geotechnical Engineering 466, 12.5 Credit Points (Semester 2)-4th Year
6. Integrated Design and Construction 463 (Semester 1& 2)-4th Year

3.2 New Course Developed

1. Integrated Design and Construction 463 (Semester 1 & 2)-4th Year

3.3 Staff Award

Obtained YB Lee Award for Staff Achievement 8 June 2007 "*Curtin Recreational Committee*" Curtin University of Technology, Sarawak.

4. Chittagong Univ. of Eng. & Technology (1990-1996 & 1999-2004)

4.1 Undergraduate Level

1. CE-100 Civil Engineering Drawing, No. of Credit: 1.0
2. CE-101 Engineering Mechanics, No. of Credit: 4
3. CE-105 Surveying No. of Credit: 4
4. CE-106 Practical Surveying, No. of Credit: 1.5 (2 Weeks in the field)
5. CE-200 Details of Construction and Estimating, No. of Credit: 1.5
6. CE-203 Engineering Materials, No. of Credit: 4
7. CE-204 Engineering Materials (Sessional), No. of Credit: 1
8. CE-211 Mechanics of Materials-I, No. of Credit: 3
9. CE-212 Mechanics of Materials (Sessional), No. of Credit: 1.5
10. CE-213 Mechanics of Materials-II, No. of Credit: 3
11. CE-261 Fluid Mechanics, No. of Credit: 4
12. CE-262 Fluid Mechanics (Sessional), No. of Credit: 1.5
13. CE-311 Structural Analysis & Design-I, No. of Credit: 3
14. CE-312 Structural Analysis & Design (Sessional-I), No. of Credit: 1.5
15. CE-313 Structural Analysis & Design-II, No. of Credit: 3
16. CE-361 Open Channel Flow, No. of Credit: 3
17. CE-400 Project & Thesis, No. of Credit: 3
18. CE-411 Structural Analysis & Design-III, No. of Credit: 4
19. CE-412 Structural Analysis and Design (Sessional- III), No. of Credit: 1.5
20. CE-413 Structural Analysis & Design-IV, No. of Credit: 2
21. CE-414 Structural Analysis & Design (Sessional-IV), No. of Credit: 1.5
22. CE-415 Prestressed Concrete, No. of Credit: 2
23. CE-418 Design of Steel Structures (Sessional), No. of Credit: 1.5