DEPARTMENT OF CIVIL ENGINEERING
UNIVERSITY COLLEGE OF ENGINEERING (A)
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A Meeting of Heads of the Departments of Engineering Colleges Affiliated to Osmania University with Chairman Boards Studies (BOS),UCE,OU is convened on **05.10.2013 at 3.00pm** Committee Room of Civil Engg,UCE,OU. The agenda is to formulate the schedule of Practical Examination and Selection of Electives in I-Sem for final year 2013-2014.
The following Heads/In charge Heads of the Departments are attended the BOS meeting(Civil Engineering).

Sl.No.	Name of the faculty and College	Designation	Email ID	Phone Number	Signature
1	P. Sreenivas Sarma	Professor & Head	Sreenivassarma.p @gmail.com	8466997202 9391016066	[illegible] 05/10/2013
2	V.V. [illegible] Sharma Methodist [illegible]	Asst prof	Vennela[illegible] 1960@gmail.com	924638 4913	[illegible]
3	K. Srikanth reddy	Asst. prof	srikanth. mspt@Gmail.com	8686861999 8096064625	Srikanth
4	G. Shravankumar ISL	Asso Prof	Shravan rana@yahoo.co.in	9966824646	[illegible]
5	Dr. M. Kotha Reddy	Professor	m.[illegible]@gmail.com	944138 1386	[illegible]
6	Dr G. Manohar	professor	manohargm @yahoo.co.in	9490437644	[illegible]
7	P.V.S. Koteswara rao (MECS) Matrusri – MECS	Assoc. prof.	coti.mvsr@gmail.com	9394566500	R[illegible]
8	Swathi institute of tech & sci Apitha	Asst Prof	Kiranmayee662 @gmail.com	9700034332	[illegible]
9	K. RAVI SEKHAR MVSR Engg College	Asst. Prof	rskatru@hotmail.com	9966887006	[illegible]
10	Dr. Md. Hamraj M.J.C.E.T	Assoc. prof.	hamraj567@gmail.com	9290929482	[illegible]
11	Dr. Mir Iqbal Faheem Deccan.	Prof & Head + V.P.	mir.faheem @rediffmail.com	9704731117	[illegible] 5/10/13
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Minutes of the meeting of Board of studies in civil Engineering held on 24th April 2013 at 10.30 AM at Department of Civil Engineering, Vasavi college of Engineering, Osmania University as a part of one day workshop on curriculum development in Civil Engineering.

Members Present:

1. Prof. N. Murali Krishna	-	Professor& Head, CED, UCE, OU
2. Prof. Ravande Kishore	-	Professor, CED, UCE, OU
3. Prof. M. Koti Reddy	-	Professor, CED, CBIT
4. Prof. P. Sreenivas Sharma	-	Professor& Head, CED, CBIT
5. Prof. B. Sreedhar	-	Professor& Head, CED, VCE
6. Prof. M. Bhaskar	-	Professor, CED, VCE
7. Mrs. Saroj Mini	-	Asso. Professor&Head,CED,MVSR Engg College
8. Prof. Faheen	-	Professor & Head, CED, DEC&T
9. Prof. S. G. S. Murthy	-	Professor, CED, MVSR Engg College
10. Prof. P. jagannadha Rao	-	Professor, CED, CBIT (Special Invitee)
11. Prof. M. R. Madhav	-	Hony. Professor, CED, JNTU (Special Invitee)
12. Prof. M. Kumar	-	Chairman, BOS-CE, OU

Leave of Absence:

1. Prof. Jaya Kumar	-	Professor, CED, NIT Warangal
2. Mr. Madwaraja	-	Chief Engineer, HMDA
3. Dr. Pandu Ranga Reddy	-	Chief Engineer, HMWWS, Hyd
4. Prof. Syed Yousufuddin	-	Professor & Head, CED, MJCET, Hyd

1) The Chairman, BoS welcomed the members for the meeting. The chairman briefed members about the earlier revision of BE ¾ syllabus. He also gave a briefing about the need for BE 4/4 syllabus revision in continuation of the third year.

2) The Chairman informed the members that the revised scheme of instruction and syllabus would be effective from the academic year 2013-2014.

3) The Chairman presented the existing scheme of instructions for B.E. 4/4 along with the syllabus and opened the discussion for revisions and modifications to be incorporated.

4) Prof. M. R. Madhav has emphasized the current developments & technology in Civil Engineering area all over the globe. He also suggested incorporating those changes in the syllabus to meet the demand of the society, industry and stake holders.

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5) The Members also proposed skeleton scheme of instruction for B. E. Civil Engineering from I-Year to IV year (2014-17). Also recommended the same for implementation from 2014 -2015 year onwards.

6) All the members of the BoS discussed the entire scheme of instructions and syllabus at length. At the end of deliberations, the following revisions were recommended to the existing scheme of instructions and the syllabus.

a. In SEDD-II (Steel), the topics of Plate girders, crane and Gantry girders will be dealt in limit State Philosophy as per IS: 800-2007. Other topics will be dealt in elastic design.

b. Estimation & Specifications is brought from II Semester of final year to I Semester. The number of periods are modified as 2 Theory + 3 Tutorials.

c. In Foundation Engineering, it is proposed to include design of well foundations. .

d. The title of WREM-II is modified as WRE-II.

e. The syllabus in Concrete Technology will be modified by deleting repeated topics from Unit-I.

f. Syllabus in Computer Applications Lab will be modified by deleting topics related to Numerical techniques and adding topics related to exposure on Software packages, MS Excel etc.

g. The syllabus in Construction Management & Administration is modified to include B.O.T. projects etc.

h. Disaster Mitigation and Management is made as a core subject in II Semester.

i. Elective – Operation Research in Civil Engineering is renamed as Operation Research and syllabus will be decided by Chairman, BOS (Civil Engg.).

j. Elective – Advanced Reinforced Concrete Design syllabus to be modified to include M/c foundations & pile foundations.

k. Infrastructural Engineering including Transportation Systems is included in Elective-III.

7). The members authorized the Chairman for paper setting and valuation of B. E., M.E. Examinations, Ph.D Entrance examination in the University. The meeting concluded with thanks to chair and the members

Prof. Kumar Molugaram
Chairman, BoS, CE, OU

Dr. KUMAR MOLUGARAM
Ph.D.(IIT Bombay)
Professor of Civil Engineering
University College of Engineering
Osmania University, Hyderabad-500 007.

PROPOSED SCHEME OF INSTRUCTION & EXAMINATION
B.E. IV/IV - CIVIL ENGINEERING -REGULAR

SEMESTER – I

S. No	Syllabus Ref. no.	Subject	Scheme of Instruction: Periods per Week L/T	Scheme of Instruction: Periods per Week D/P	Scheme of Examination: Duration in Hours	Scheme of Examination: Maximum Marks: Univ. Exam	Scheme of Examination: Maximum Marks: Sessional
		THEORY					
1	CE 401	Structural Engineering Design and Detailing – II (Steel)	4	2	3	75	25
2	CE 402	Estimating & Specifications	2	3	3	75	25
3	CE 403	Foundation Engineering	4	-	3	75	25
4	CE 404	Water Resources Engg. & Management - II	4	-	3	75	25
5	CE 405	Concrete Technology	4	-	3	75	25
6		Elective –I	4	-	3	75	25
		PRACTICALS					
7	CE 431	Concrete Laboratory	-	3	3	50	25
8	CE 432	Computer Applications Laboratory	-	3	3	50	25
9	CE 433	Project Seminar	-	2		-	25
		Total	**22**	**13**	-	**550**	**225**

Elective-I

CE 406 Elements of Earthquake Engineering
CE 407 Surface & Ground Water Management
CE 408 Pre-Stressed concrete
CE 409 Geographical Information systems
CE 410 Operation Research
ME 411 Entrepreneurship

SEMESTER – II

S. No	Syllabus Ref. no.	Subject	Scheme of Instruction: Periods per Week L/T	Scheme of Instruction: Periods per Week D/P	Scheme of Examination: Duration in Hours	Scheme of Examination: Maximum Marks: Univ. Exam	Scheme of Examination: Maximum Marks: Sessional
		THEORY					
1	CE 451	Construction Management & Administration	4	-	3	75	25
2	CE 452	Disaster Mitigation and Management	4	-	3	75	25
3	CS	~~Cyber Security~~	~~4~~	~~-~~	~~3~~	~~75~~	~~25~~
4		Elective II	4	-	3	75	25
5		Elective III	4	-	3	75	25
		PRACTICALS					
5	CE 481	Seminar	-	3	-	-	25
6	CE 482	Project	-	6	Viva	Gr*	50
		Total	**16**	**9**		**300**	**175**

* Excellent/Good/Satisfactory/Unsatisfactory (E/G/S/US)

ELECTIVE – II

CE 453 Health Monitoring & Retrofitting of Structures
CE 454 Ground Improvement Techniques
CE 455 Advanced Environmental Engineering
CE456 Advanced Reinforced concrete Design

ELECTIVE – III

~~CE 458 Advanced Transportation Engineering~~
CE 459 Ground water Hydrology
CE 460 Finite Element methods
CE461 Infrastructure Engineering
LA454 Intellectual property Rights

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PROPOSED OVERALL SCHEME OF B.E. CIVIL ENGINEERING (2014-2017)
SCHEME OF INSTRUCTION & EXAMINATION
B. E. I/IV (REGULAR)

Sl No	Syllabus Ref .No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessi-onals
THEORY							
1	EN 101	English	3	-	3	75	25
2	MAT 101	Mathematics –1	3	-	3	75	25
3	MAT 102	Mathematics-II	3	-	3	75	25
4	PHY 101	Engineering Physics	3	-	3	75	25
5	CHE 101	Engineering Chemistry	3		3	75	25
6	CS 101	Programming in 'C' & 'C++'	3	-	3	75	25
7	CE 101	Engineering Mechanics	3	-	3	75	25
8	CE 102	Engineering Graphics	-	6	3	100	50
PRACTICALS							
1	PH 132	Physics Lab	-	3	3	50	25
2	CH 132	Chemistry Lab	-	3	3	50	25
3	ME 131	Workshop Practice	-	3	3	50	25
4	CS 131	Programming Lab	-	2	3	50	25
5	EG 131	English Language Lab	-	2	-	-	25
		TOTAL	21	19		825	350

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SCHEME OF INSTRUCTION & EXAMINATION
B.E. II/IV (REGULAR)
(CIVIL ENGINEERING)

SEMESTER-I

S. No.	Syllabus Ref.No.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hrs.	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessionals
		THEORY					
1	MT 201	Mathematics-III	4	-	3	75	25
2	CE 201	Building Technology & Building Drawing	2	3	3	75	25
3	CE 202	Engineering Materials Construction	4	-	3	75	25
4	CE 203	Engineering Geology	4	-	3	75	25
5	CE 204	Strength of Materials-I	4	2	3	75	25
6	CE 205	Surveying-I	4	-	3	75	25
		PRACTICALS					
1	CE 231	Engineering Geology Lab	-	3	3	50	25
2	CE 232	Surveying-I Lab	-	3	3	50	25
3	CE 233	Computer Aided Civil Engineering Drafting Lab	-	2	-	50	25
		Total	**22**	**13**	-	**600**	**225**

SERVICE COURSES OFFERED TO OTHER DEPARTMENTS

SEMESTER-I

S. No.	Syllabus Ref.No.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hrs.	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessionals
		THEORY					
1	CE221	Mechanics of Materials (For ME, PE)	4	-	3	75	25
2	CE 222	Environmental Studies (For EEE, IE, IT)	4	-	3	75	25
		PRACTICALS					
1	CE241	Mechanics of Materials Lab (For ME, PE)	-	3	3	50	25

SCHEME OF INSTRUCTION & EXAMINATION B.E. (CE) II/IV (REGULAR)

SEMESTER-II

S. No.	Syllabus Ref.No.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hrs.	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessionals
		THEORY					
1	CE 251	Strength of Materials - II	4	2	3	75	25
2	CE 252	Surveying - II	4	-	3	75	25
3	CE 253	Fluid Mechanics – I	4	-	3	75	25
4	CE 254	Concrete Technology	4	-	3	75	25
5	CE 222	Environmental Studies	4	-	3	75	25
6		Electrical & Mechanical Technology					
	EE 271	Part - A Electrical Technology	3	-	3	37	13
	ME 271	Part - B Mechanical Technology	3	-	3	38	12
		PRACTICALS					
1	CE 281	Strength of Materials Laboratory	-	3	3	50	25
2	CE 282	Surveying – II Laboratory	-	3	3	50	25
3	CE 283	Fluid Mechanics Laboratory	-	3	3	50	25
4	CE 284	Surveying Camp	-	-	-	-	50*
		Total	26	11	-	600	225

* The sessional marks of Surveying Camp (50) will be included in the B. E. III year, I Semester memorandum of marks

SERVICE COURSES OFFERED TO OTHER DEPARTMENTS

SEMESTER-II

S. No.	Syllabus Ref.No.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hrs.	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessionals
		THEORY					
		CSE, ECE, Mech., Prod.					
1.	CE 222	Environmental Studies	4	-	3	75	25
		EEE					
2.	CE 223	Solid Mechanics	4	-	3	75	25
		Mech, Prod.					
3.	CE 271	Fluid Dynamics	4	-	3	75	25

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SCHEME OF INSTRUCTION & EXAMINATION B.E. III -YEAR
(CIVIL ENGINEERING)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessionals
		THEORY					
1	CE 301	Reinforced Cement Concrete	4	2	3	75	25
2	CE 302	Fluid Mechanics - II	4	-	3	75	25
3	CE 303	Theory of Structures - I	4	2	3	75	25
4	CE 304	Soil Mechanics	4	---	3	75	25
5	CE 305	Transportation Engineering-I	4	-	3	75	25
6	CM 371	Managerial Economics & Accountancy	4	-	3	75	25
		PRACTICALS					
1	CE 331	Hydraulics and Hydraulic Machinery Lab	-	3	3	50	25
2	CE 332	Transportation Engg. Lab	-	3	3	50	25
3	CE 333	Concrete Laboratory	-	3	3	50	25
4	CE 334	Surveying Camp	-	-	-	-	50*
		Total	**24**	**13**	-	**600**	**275**

* Only Sessional Marks

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SCHEME OF INSTRUCTION & EXAMINATION B.E. III -YEAR
(CIVIL ENGINEERING)

SEMESTER – II

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessionals
		THEORY					
1	CE 351	Foundation Engineering	4	---	3	75	25
2	CE 352	Steel Structures	4	2	3	75	25
3	CE 353	Theory of Structures-II	4	2	3	75	25
4	CE 354	Structural Engg. Design & Detailing - I (RCC)	4	2	3	75	25
5	CE 355	Water Resources Engineering	4	---	3	75	25
6	CE 356	Environmental Engineering	4	---	3	75	25
		PRACTICALS					
1	CE 381	Soil Mechanics Lab.	---	3	3	50	25
2	CE 382	Environmental Engineering Lab.	---	3	3	50	25
3	CE 383	Computer Applications Laboratory	-	3	3	50	25
4	CE 384	Industrial Visit/Study	---	---	-	-	Gr*
		Total	**24**	**15**	-	**600**	**225**

*Excellent / Very Good / Good / Satisfactory / Unsatisfactory

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SCHEME OF INSTRUCTION AND EXAMINATION
BE IV/IV YEAR (REGULAR)
(CIVIL ENGINEERING)

SEMESTER – I

S. No	Syllabus Ref. no.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessional
THEORY							
1	CE 401	Structural Engineering Design and Detailing – II (Steel)	4	2	3	75	25
2	CE 402	Structural Dynamics & Earthquake Engineering	4	-	3	75	25
3	CE 403	Transportation Engineering-II	4	-	3	75	25
4	CE 404	Water Resources Engineering-II	4	-	3	75	25
5	CE 405	Estimating & Specifications	2	3	3	75	25
6		Elective –I	4	-	3	75	25
PRACTICALS							
7	CE 431	Project Seminar	-	2	-	-	25
8	CE 432	Project	-	6	-	*	-
		Total	22	13	-	550	200

* University Exam marks will be awarded at the end of II Semester

Elective 1

CE 406 Surface & Ground Water Management
CE 407 Pre-Stressed concrete
CE 408 Geographical Information systems
CE 409 Operation Research
ME 410 Entrepreneurship

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SCHEME OF INSTRUCTION AND EXAMINATION
BE IV/IV YEAR (REGULAR)
(CIVIL ENGINEERING)

SEMESTER – II

S. No	Syllabus Ref. no.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessional
THEORY							
1	CE 451	Construction Management & Administration	4	-	3	75	25
2	CE 452	Disaster Mitigation and Management	4	-	3	75	25
3		Elective II	4	-	3	75	25
4		Elective III	4	-	3	75	25
PRACTICALS							
5	CE 481	Seminar	-	3	-	-	25
6	CE 482	Project	-	6	viva	100	50
		Total	16	9		400	175

ELECTIVE – II

CE 453 Health Monitoring & Retrofitting of Structures
CE 454 Ground Improvement Techniques
CE 455 Advanced Environmental Engineering
CE 456 Advanced Reinforced concrete Design

ELECTIVE – III

CE 458 Advanced Transportation Engineering
CE 459 Ground water Hydrology
CE 460 Finite Element methods
CE 461 Infrastructure Engineering
LA 454 Intellectual property Rights