Board of Studies (Civil Engineering) B.E.Civil Equivalences

c3/2/14

	2003 Co	urse Semester-I	Equiv	alent subj	ect in 2008 Course	
Sr.No	Code of Subject	Name of Subject	Sr.No	Code of Subject	Name of Subject	
1	401001	Hydrology and Irrigation	1		No Equivalence	
2	401002	Environmental EnggIf	2	401001	Environmental Engineering-II	2008 Course I Semester
3	401003	Quantity Surveying , Contracts and Tenders	3	401 009	Quantity Surveying,Contracts and Valuation	2008 Course II Semester
4	401004	Structural Design III	4	401003	Structural Design-III	2008 Course I Semester
5	401005	Elective I- System Approach in Civil Engg.	5	401004	Elective -I Systems Approach in Civil Engineering	2008 Course I Semester
6	401005	Elective I Finite Element Method	6	401 008	Elective IV Finite Element Method	2008 Course II Semester
7	401005	Elective I Structural Design of Bridges	7	401004	Elective -I Structural Design of Bridges	2008 Course I Semester
8	401005	Elective I Architecture and Town Planning	8	401004	Elective -I Architecture and Town Planning	2008 Course I Semester
9	401005	Elective I Advanced Environmental Management	9	401007	Elective III Advanced Environmental Management	2008 Course II Semester
10	401005	Geoinformatics	10	401 008	Elective IV Geoinformatics	2008 Course II Semester

Board of Studies (Civil Engineering) B.E.Civil Equivalences

03/2/12

	2	003 Course Semester –II	Equiva	alent subjec		
Sr. No	Code of Subject	Name of Subject	Sr.No	Code of Subject	Name of Subject	
1	401	Elective II- Earthquake Engg.	1	401 005	Elective II- Earthquake Engg.	2008 Course II Semester
2	401 007	Elective II- Advanced Transportation Engg.	2		No Equivalence	
3	401 007	Elective II- Construction Management	3	401 007	Elective III- Construction Management	2008 Course II Semester
4	401 007	Elective II- Integrated Water Resources Planning and Management	4	401 008	Elective IV- Integrated Water Resources Planning and Management	2008 Course II Semester
5	401 007	Elective II- Advanced Engg. Geological with Mechanics	5	401 007	Elective III- Advanced Engg. Geological with Mechanics	2008 Course II Semester
6	401 007	Elective II- Concrete Technology	6	401 005	Elective II- Advanced Concrete Technology	2008 Course II Semester
7	401 008	Dams and Hydraulic Structures	7	401 002	Dams and Hydraulic Structures	2008 Course I Semester
8	401009	Transportation Engg. II	8	401010	Transportation Engg. II	2008 Course II Semester
9	401 010	Foundation Engg.	9		No Equivalence	M

Equivalence between 2003 course and 2008 course for <u>FULL TIME DEGREE</u> for subjects in <u>Mechanical Engineering</u> offered at Final Year Engineering.

Sr.	CODE	2003 COURSE	Passing	CODE	2008 COURSE	Passing
No.		SUBJECT	Head/s	CODE	SUBJECT	Head/s
	402041	Mechanical System Design	Th., TW, Oral	402048	Mechanical System Design	Th., TW
2	402042	Dynamics of Machinery*	Th., TW, Oral	402042	Dynamics of Machinery	Th., TW
3	402043	Mechatronics	Th., TW, Oral	302050	Mechatronics	Th, TW
4	402044	Gas Turbines and Jet Propulsion	Th		Not Exempted	Th
5	402045	Elective-I Product Design and Development	Th	402044 B	Product Design and Development	Th, TW
6	402045	Elective-I Material Engineering and their Processing	Th		Not Exempted	Th
7	402045	Elective-I Alternative Energy Sources	Th		Not Exempted	Th
8	402045	Elective-I Kinematic Analysis and Synthesis	Th		Not Exempted	Th
9	402045	Elective – I Operation Research	Th	402045 C	Quantitative and Decision Making Technique	
10	402045	Costing and Cost Control	Th		Not Exempted	Th
11	402046	Project Work	TW, Oral	402046 B	Project Work	TW, Oral
12	402047	CAD/CAM and Automation	Th., TW, Oral	402041	CAD/ CAM Automation	Th., TW,
13	402048	Power Plant Engineering	Th., TW, Oral	402047	Power Plant Engineering	Th., TW,
14	402049	Industrial Fluid Power	Th., TW, Oral	402043	Industrial Fluid Power	Th., TW,
5	402050	Elective – II Robotics	Th			Orai
6	402050	Elective – Il Computational Fluid Dynamics	Th	402049 A	Elective – III Computational Fluid Dynamics	TW
7	402050	Elective – II Energy Management	Th	402044 A	Elective – I Energy Audit and Management	TW
8	402050	Elective – II Rapid Prototyping	Th		Not Exempted	Th
9	402050	Elective – II Reliability Engineering	Th	402050 C	Reliability Engineering	Th
0	402050	Elective – II Automobile Engineering	Th	402045 A	Elective – II Automobile Engineering	Th

Wherever Oral examination as head of passing, in 2003 course and there is no oral examination corresponding subject in 2008 course, the respective candidates have to appear respective oral examination in old course and marks will be awarded as per 2008 course for the corresponding head of passing. This process has to be carried out till no of candidates exhausted.

University of Pune

Equivalence between 2003 course and 2008 course for <u>FULL TIME DEGREE</u> for subjects in <u>Mechanical Engineering Sandwich</u> offered at <u>Final Year</u>.

Sr.	CODE	2003 COURSE	Passing	CORE	2008 COURSE	Passing
No.		SUBJECT	Head/s	CODE	SUBJECT	Head/s
1	402061	Design Engineering	Th., TW, Oral	402061	Machine And Computer Aided Design	Th., TW,
2	402042	Dynamics of Machinery	Th., TW, Oral	402042	Dynamics of Machinery	Th., TW,
3	402062	Industrial Hydraulics and Pneumatics	Th., TW, Oral	402062	Industrial Hydraulics and Pneumatics	Th., TW,
4	402047	CAD/CAM and Automation	Th., TW, Oral	402041	CAD/ CAM Automation	Th., TW,
5	402063	Elective – II Refrigeration and Air Conditioning	Th.	402063 A	Elective – II Refrigeration and Air Conditioning	Th., TW
6	402063	Elective - II Robotics	Th.	402064 C	Elective – III Robotics	Th.
7	402063	Elective – II Tribology	Th.	302066	Tribology	Th.
8	402063	Elective – II Automobile Engineering	Th.	402064 A	Elective – III Automobile Engineering	Th.
)	402063	Elective – II Computational Fluid Dynamics	Th.	402063 B	Elective – II Computational Fluid Dynamics	Th. TW
0	402064	Thermal Engineering Lab. Practice	Oral		Not Exempted.	
1	402065	Elective – III Industrial Engineering	Th.		Not Exempted	
2	402065	Elective – III Costing and Cost Control	Th.	402066 A	Elective – IV Costing and Cost	Th.
3	402065	Elective – III Production Management	Th.		Not Exempted	
4	402065	Elective – III Machine Tool Design	Th.	402066 B	Elective – IV Machine Tool Design	Th.
5	402065	Elective – III Non Conventional Energy	Th.		Not Exempted	

Wherever Oral examination as head of passing, in 2003 course and there is no oral examination corresponding subject in 2008 course, the respective candidates have to appear respective oral examination in old course and marks will be awarded as per 2008 course for the corresponding head of passing. This process has to be carried out till no of candidates exhausted.

Subject Equivalence for B.E.(Electronics)

CON NO	7000		
404201	(2003 Codise)	Code No.	(2008 Course)
107101	computer Networks(1h)	404207	Computer Network and Security (Th)
707404	Electronic Product Design(Th)	404201	Electronics System Design (Th)
404203	Advanced Power Electronics(Th)	404204	Advance Power Electronics (Flective-1) (Th)
404204	VLSI Design(Th)	404202	VISI Design(Th)
404205	Elective-I		Elective-1
	Embedded System Design(Th) (TW)(PR)	404203	Embedded System (Th)(TA/)(DB)
	Process Instrumentation(Th)(TW)(PR)	404208	Process automation(Th)(TM)(bp)
	Advanced Digital Signal Processing(Th)(TW)(PR)		Advanced Digital Signal Processing (2003 Course) (Th) (Th) (Th)
	Advanced Communication Engineering(Th)(TN)(IDR)	404210	Advance Communication System (Elective-IV) (Th)(TW)(PR)
	Software Engineering(Th)(TW)(PR)		Software Engineering/2003 Common (FLV)
404206	Electronics Laboratory – III(PR)		Electronic Inhanter III/2002 Course/(III/III/III/III/III/III/III/III/III/I
404207	Seminar(TW)	404206	Project Part I(OB)
404209	Electronic Measurement systems(Th)	404204	3
404210	Management Information Systems(Th)		Management Information Systems (2002 Comp.) (TL)
404211	Bio-Medical Electronics (Th)	404204	Biomedical Instrumentation (E-1) (Th)
404212	Elective-II		י י יייייייייייייייייייייייייייייייייי
	Real Time Operating Systems(Th)(TW)(PR)		Real Time Operating Systems(2003 course)(TW)(PR)
	Artificial Intelligence(Th)(TW)(PR)	404210	
	Robotics and Industrial Automation(Th)(TW)(PR)	404205	Robotics and automation (E-II) (Th)
	System Programming and Operating		System Programming and Operating Systems (2003 Course)(Th)
2022	Signal (III) (IV)		(1W)(PR)
404212	Digital Image Processing(Th)(TW)(PR)	404209	Image processing and Machine vision (E-III) (Th)(TW)(PR)
404213	Electronics Laboratory – IV(PR)		Electronics Laboratory - IV(2003 Course)(PR)
404208	Project(TW)(OR)	404211	Project part-II(TW)(OR)/PRO.AUt-)-OR E-I-PR

Subject Equivalence for B.E.(E&TC)

02.000	(zoos cogise)	Code No	(3000)
404214	Computer Network (Th)	404402	(zono course)
404215	Voice Network/TE	404183	Computer Network(Th)
CTZ+O+	voice iverwork(III)		Voice Network (2003 Course) (Th)
404716	Electronic Product design(Th)	404181	Flortronic Droding Josian (TL)
404217	VLSI Design (Th)	404102	VICIONIC FLOGUCCI design(1n)
404218	Elective-I	707+04	V.L.SI Design Technology(Th)
	Embedded system design(Th) (TW)(PR)	101101	Cieculve-I
	Advanced Power electronics (Th) (TM)(PD)	404104	cilibedded system and RIOS (E-I) (Th) (TW)(PR)
	Advanced Digital Signal Processing (Th) (This)	404184	Industrial Drives and control (E-I) (TW)(PR)
	Robotics and Indication Action (1717) (TW)		Advanced Digital Signal Processing(2003 Course) (Th) (TW)(PR)
A01210	Commissional Lett. (Apr.)	404190	PLC and Industrial process automation (E-IV) (Th) (TW)(PR)
00000	COMMINICATION LAD-I (PR)		Communication Lab-I(2003 Course)(PR)
404770	Seminar(TW)	404186	Project Part-I(TW)
404222	Electronics Measurement System(Th)	404189	Test and Measurement Systems (F-III) (Th)
404223	Telecommunication Networks and Management (Th)	404187	Telecommunication switching systems (Th)
404224	Optical and Microwave communication(Th)	404188	Ontion of Mississipping
404225	Elective-II	201101	Charles and Wildrowave Communication (2003Course)(1h)
	Action Commission Section Section Control		בוברווגב-וו
	Advanced Communication Systems (1n) (1W)(PR)	404185	Mobile Communication (E-II) (Th)
	Digital Image Processing(Th) (TW)(PR)	404184	Digital image processing (E-I) (Th) (TW)(PR)
	Biomedical Engineering(Th) (TW)(PR)		Biomedical Engineering(2003 Course)(Th) (TW)(PR)
	Audio and video Engineering(Th) (TW)(PR)	404189	Television and Video Engineering(E-III) (Th) (TW)(PR)
	System programming and operating systems (Th)(TW)(PR)		System programming and operating systems (2003Course)
404226	Communication Lab-II(PR)		Communication Lab-II(2003 Course)(PR)
404221	Project(TW)(OR)	404191	() () () () () () () () () ()

UNIVERSITY OF PUNE B.E. (COMPUTER ENGINEERING) - 2003 COURSE Equivalence To 2008 Course Revised

	Equivalence 10 200		and the second s
Subject	Subject Name	Subject	Subject Name
Code	2003 Course	Code	2008 Course
Term-I			
410441	Design & Analysis of Algorithms	410441	Design & Analysis of Algorithms
410442	Operating Systems	310252	Systems Programming and Operating Systems Semester-II, TE 2008 Course
410443	Object Oriented Modeling & Design	410443	Object Oriented Modeling & Design
410444	Principles of Compiler Design	410442	Principles of Compiler Design
410445	Elective I		
	Image Processing	410444 Elective -I	Image Processing
	Advanced Databases	410450 Elective-III	Advanced Databases
	Artificial Intelligence	410444 Elective -I	Artificial Intelligence
	Multimedia Systems	410445 Elective-II	Multimedia Systems
410446	Computer Laboratory I	410446	Computer Laboratory-I
410447	Project Work	410447 Semester-I	Project Work
Term II			
410448	Networks and Information Security	410451 Elective-IV	Information Security
410449	Advanced Computer Architecture and Computing	410449	Advanced Computer Architecture
410450	Software Testing and Quality Assurance	410450 Elective-III	Software Testing and Quality Assurance
410451	Elective II	· · · · · · · · · · · · · · · · · · ·	
	Distributed Systems	410448	Distributed Operating Systems
	Software Architecture	410444 Elective –I	Software Architecture
-	Embedded Systems	410445 Elective-II	Embedded Systems
	High Performance Networks	410450 Elective-III	High Performance Networks
10452	Computer Laboratory II	410452	Computer Laboratory II
10447	Project Work	410447 Semester-II	Project Work

University of Pune

Equivalence for B.E. Electrical 2003 Course

B.E. Electrical 2003 Course Course

Equivalent B.E./T.E. Electrical 2008

Sr. No	Subject Code	Subject Name	Head	711	Sr. No	Subject Code	Subject Name	Head
1	403141	Power System Operation & Control	PP		1	403142	Power System Operation &	PP
2	403142	Utilization of	OR PP		2_	303147	Control Utilization of	OR PP
		Electrical Energy					Electrical Energy	1
3	403143 (Elective I)	Robotics and Automation	PP		3	403143	Robotics and Automation (Elective I)	PP
		Power Quality	PP _			403143	Power Quality(Elective I)	PP
		Illumination Engineering	PP			403143	Illumination Engineering (Elective I)	PP
		Project Management	PP		\Rightarrow	403143	Project Management (Elective I)	PP
		Restructuring and Deregulation	PP			403144	Restructuring and Deregulation (Elective II)	PP
4	403144	Industrial Drives and Control	PP PR		4	403148	Industrial Drives and Control	PP PR
5	403145	Control System II	PP OR	- :	5	403145	Control System II	PP OR
6	403147	Energy Management	PP	(5	303146	Energy Audit and Management	PP
7	403148	Switchgear and Protection	PP OR		'	403147	Switchgear and Protection	PP OR
3		Digital Control System	PP	8		403150	Digital Control System (Elective IV)	PP
)		Digital Control System	OR _	9			To be continued	

11 403															(Ele	3	.00100
403146															(Elective II)		
Project	ANN & its Applications		Applications	ANN & its	Processing	Digital Signal		Processing	Digital Signal	Engineering	High Voltage		Engineering	High Voltage	1		9
0r	R			PP		PR			PP		PR _			PP	PR =		
Į V			1)							- [,
+ 403146 Project				403149					403149					403149			.001
Project	To be continued	(Elective III)	Applications	ANN & its		To be continued	(Elective III)	Processing	Digital Signal		To be continued	(Elective III)	Engineering	High Voltage	To be continued	(Elective III)	A POI DOSE
Q				PP					PP					PP		-	11

PP:- Theory Paper
PR:- Practical
OR:- Oral
Note:- For Practical/Oral equivalence, candidate can use TW of 2003 course.

B. E. Instrumentation & Control Equivalence

		2003 Course	2008 Course				
		77.77.77	ESTER- I				
Sr.no	Subject code	e Subject	Subject Code	Subject			
1.	406261	Process Instrumentation-I	406261	Process Instrumentation			
2.	406262	Project Engineering And Management	406263	Project Engineering and Management			
3.	406263	Digital Control	406262	Digital Control			
4.	406264 (A)	Biomedical Instrumentation	406264 (A)	Biomedical Instrumentation			
5.	406264 (B)	Instrumentation for Environmental Engineering	406265 (A)	Environmental Instrumentation			
6.	406264 (C)	Laser applications in Instrumentation	406264 (B)	Laser based Instrumentation			
7.	406264 (D)	Advanced Control system	406264 (C)	Advanced Control system			
8.		Building Automation-I		Building Automation-I			
9.	406265	Project Presentation I	406266 Project Work				
			STER- II				
10.	406267	Process Instrumentation –II	406267	Process Dynamics and Control			
11.	406268	Computer Techniques And Applications	222				
10.	406269	Industrial Automation	406268	Industrial Automation			
12.	406270 (A)	Advanced Biomedical Instrumentation	406269 (A)	Advanced Biomedical Instrumentation			
13.	406270 (B)	Power Plant Instrumentation	***	%			
L4.		Fiber Optic Instrumentation	406269 (B)	Fiber Optic Instrumentation			
15.	, ,	Process Modeling and Optimization	406269 (C)	Process Modeling and Optimization			
.6.		Building Automation-II		Building Automation-II			
7.	406271	Project	406271	Project Work			

Subject Equivalence for Fourth Year of Engineering (Chemical Engineering), 2008 with 2003 Course University of Pune

	Name of subject,	y of Pune Code	Name of subject,
Code No		No	2008 Structure
	Seme	1000000	2000 Stracture
409341	Elective I (With Seminar)	T	Elective - I(With Seminar)
	Environmental Engineering	409341	Environmental Engineering
	Bioprocess Engineering	409341	Bioprocess Engineering
	Energy Conservation	409349	Energy Conservation In Chemical Proces Industries(Elective-III)
	Polymer Technology	409342	Polymer Technology Elective II
	Catalysis	409350	Catalysis Elective – IV
	Advanced Separation Processes	409342	Advance Separation Processes, Elective I
	Petroleum Refining	409342	Petroleum Refining, Elective II
409342	Process Dynamics & Control Pr	409343	Process Dynamics and Control Pr
409343	Chemical Reaction Engineering II	409344	Chemical Reaction Engineering II
409344	Chemical Process Synthesis	409342	Chemical Process Synthesis Elective- II
409345	Process Equipment Design II oral	409345	Chemical Engineering Design II Oral
409346	Computer Aided Chemical Engineering II TW, Oral	409346	Computer Aided Chemical Engineering II Oral
409347	Project, TW	409348	Project, TW
	Semest	ter II	
09348	Elective II		
	Computer Aided Process Control	409350	Computer Aided Process Control-Elective IV
	Food Technology	409349	Food Technology Elective III
	Advanced Materials	409342	Advanced Materials, Elective II
	Industrial Hazards & Safety	409349	Chemical Process Safety, Elective III
	Piping Design & Engineering	409342	Piping Design & Engineering, Elective II
	Fuel Cell Technology	409350	Fuel Cell Technology
	Petrochemical Engineering	409350	Petrochemical Engineering
409349	Process Modeling & Simulation, TW, Oral	409351	Process Modeling and Simulation, Tw, Oral
409350	Project Costing & Appraisal		Exempted
409351	Chemical Plant Engineering, TW, Oral	409352	Process Engineering Costing & Plant Design, TW, Oral
409347	Project	409348	Project TW, Oral

Note: The practical / oral examination of the candidate will be conducted based on the assignments performed and submitted by the candidate in his / her journal and not as per assignments in 2003 revised syllabus. This has to be brought to the notice of the examiners by the concerned Institutes.

Subject Equivalence for B E Polymer Engineering, 2003 with 2008 Course University of Pune.

Code No.	Name of the Subject 2008 Structure	Code No.	Name of the subject 2003 Structure
	S	emester – I	
409361	Polymer Compounding		**
409362	Mold & Die Design-I	409364	Mould & Die Design
409363	Polymer Processing Operation – II	409369	Polymer Processing Operations - II
409364-A	Fiber Technology	409367	b. Fiber Technology
409364-B	Mechanics of Composites	409367	c. Mechanics of Composites
409364-C	Polymer Reaction Engineering	409366	a. Polymer Reaction Engineering
409365-A	Production Planning and Control	409370	Industrial Management & Process Economics
409365-В	Surface Coatings and Adhesives	409366	c. Surface Coating and Adhesive
409365-C	Packaging Technology	409367	d. Packaging Technology
409365-D	Open Elective		
409366	Industrial training evaluation	1==	
409367	Project	409365	Project Work
	Se	emester - II	
409368	Product Design & Polymer Testing	409368 409371	Product Design & Computer Applications Polymer Testing
409369	Mold & Die Design-II	***	
409370-A	Polymer Physics and Characterization		
409370-B	Processing of Composites	409363	Polymer Composites & Blends
409370-C	Specialty Polymers & Applications	409367	a. Specialty Polymers
409371-A	Advanced Polymer Rheology	409366	d. Advanced Polymer Rheology
409371-B	Rubber Technology	409366	b. Rubber Technology
409371-C	Polymer Thermodynamics and Blends	-	
409371-D	Open Elective		***
409367	Project	409365	Project Work
		409362	Polymer Processing Operations - I
		409361	Polymer structure & property relationship

Faculty of Engineering

Board of Studies in Petroleum Engineering

Subjects Equivalence of 2003 course with 2008 course

B.E. (Petrochemical Engineering)

Code No	Name of Subject, 2003 Structure	Code No	Name of Subject, 2008 Structure
	Ter	m I	
412401	Refining Operations, Th, TW, PR		To be continued
412402	Petrochemical Processes, Th, TW,OR		To be continued
412403	Reaction Engineering – II, Th		To be continued
412404	Process Dynamics and Control Th,TW,PR	412402	Process Dynamics and Control Th,TW,PR
412405	Elective – I		
1)	Environmental Engineering, Th, PR	412403	Environmental Engineering, Th, TW,PR
2)	Novel Separation Processes, Th, PR	412404	Novel Separation Processes, Th, TW
3)	Interface and Colloid Science, Th, PR	412410	Colloidal and Interface Science, Th
412406	Project Work		To be continued
	Teri	m-II	
412407	Refinery Process Design, Th, TW, OR	412408	Refinery Process Design, Th, TW
412408	Natural Gas Technology, Th	412405	Natural Gas Technology, Th
412409	Process Economics and Project Engineering, Th, TW, OR	412409	Process Economics and Plant Design, Th, TW, OR
	Process Modeling, Simulation and Optimization, TW, OR	412410	Process Modeling and Simulation, Th
412411	Elective – II		
	Catalysis Technology and Fluidization Engineering, Th	412405	Catalyst Science and Technology, Th
2)	Biochemical Engineering, Th	412404	Biochemical Engineering, Th
	Petroleum Exploration and Production Operations, Th	412411	Petroleum Exploration and Production Operations
412406	Project Work, TW, OR	412407	Project Work, TW, OR

Note: The practical / oral examination of the candidate will be conducted based on the assignments performed and submitted by the candidate in his / her journal and not as per assignments in 2008 revised syllabus. This has to be brought to the notice of the examiners by the concerned Institutes.

Faculty of Engineering Board of Studies in Petroleum Engineering Subjects Equivalence of 2003 course with 2008 course B.E. (Petroleum)

Code no	Name of subject, 2003 Structure	Code n	Name of subject, 2008 Structure
	Term I		
412381	Reservoir Engineering – I, Th	412381	Reservoir Engineering II, Th
412382	Petroleum Exploration, Th, Pr,	412384	A Petroleum Exploration, Th, Pr,
412383	Petroleum Formation Evaluation, Th, OR, TW	412382	Petroleum Formation Evaluation
412385	Elective – I		
	Refining and Petrochemical Technology, Th	412385	A Petroleum Refining Technology Th
	Applied Computational Techniques, Th	412384	Programming, Database Management and Information Systems in Petroleum Industry, Th
	Environmental Technology in Petroleum Industry, Th	412389 I	Environment Technology and Safety in Petroleum Industry, Th
112387	Project Work	412386	Project
	Problems in Petroleum Engineering Design, PR		exempt
	Term II		
12388	Reservoir Engineering – II, Th	412387	Improved Oil Recovery and Reservoir Simulation, Th
A D. Co., S. M. Triangle, S. C.	Petroleum Production Engineering – II, Th, Or	412388	Petroleum Production Engineering II, Th, Or
12390	Oil Well Drilling Engineering, Th,Or	412389 A	Advanced Drilling Engineering, Th, Or
]	Petroleum Economics, Th	412390 A	Petroleum Economics Th
I	ntegrated Reservoir Management Th		To continue
	THE PARTY OF THE P	412389 B	Deepwater Technology Th
12387 I	Project Work	412386	Project

Note: The practical / oral examination of the candidate will be conducted based on the assignments performed and submitted by the candidate in his / her journal and not as per assignments in 2008 revised syllabus. This has to be brought to the notice of the examiners by the concerned Institutes.

Faculty of Engineering Board of Studies in Petroleum Engineering Subjects Equivalence of 2003 course with 2008 course B.E. (Petroleum)

Code no	Name of subject, 2003 Structure	Code n	0	Name of subject, 2008 Structure
	Term I			
412381	Reservoir Engineering – I, Th	412381		Reservoir Engineering II, Th
412382	Petroleum Exploration, Th, Pr,	412384	A	Petroleum Exploration, Th, Pr,
412383	Petroleum Formation Evaluation, Th, OR, TW	412382		Petroleum Formation Evaluation
412385	Elective – I			
	Refining and Petrochemical Technology, Th	412385		Petroleum Refining Technology Th
	Applied Computational Techniques, Th	412384 (Programming, Database Management and Information Systems in Petroleum Industry, Th
	Environmental Technology in Petroleum Industry, Th	412389 I		Environment Technology and Safety in Petroleum Industry, Th
112387	Project Work	412386		Project
112386	Problems in Petroleum Engineering Design, PR		(exempt
	Term II			
12388	Reservoir Engineering – II, Th	412387		Improved Oil Recovery and Reservoir Simulation, Th
	Petroleum Production Engineering – II, Th, Or	412388	100	Petroleum Production Engineering II, Th, Or
12390	Oil Well Drilling Engineering, Th,Or	412389 A	1	Advanced Drilling Engineering, Γh, Or
	Petroleum Economics, Th	412390 A	I	Petroleum Economics Th
]	ntegrated Reservoir Management Th		7	Γο continue
1	Deepwater Technology Th	412389 B	BI	Deepwater Technology Th
12387 I	Project Work	412386	F	Project

Note: The practical / oral examination of the candidate will be conducted based on the assignments performed and submitted by the candidate in his / her journal and not as per assignments in 2008 revised syllabus. This has to be brought to the notice of the examiners by the concerned Institutes.

Fourth Year Printing Engineering & Graphic Communication Equivalence of BE 2003 Course with BE 2008 Course

S	r. 2003 Co	Equivalence of BE 2003 Co	2008 Cour	
N		Subject Name and Exam	Subject	Subject Name and Exam
	Code	Head	Code	Head
1	Elective 408281A	Newspaper Technology	Elective II 408282B	Newspaper Technology (Th)
2	Elective I 408281B	Flexible Packaging	Elective IV 408288A	
3	Elective I 408281C	Security Printing	Elective II 408282A	Security Printing (Th)
4	408282	Costing & Estimating and Project Management, Operations Research (Th/Tw)	408290	Print Production Planning & Control (Th/Tw)
5	408283	Surface Preparation II (Th/Tw/Pr)	408283	Same as 2003course - Surface Preparation II (Th/Tw/Pr)
6	408284	Offset machines II (Th/Tw/Pr)	308286	Offset Machines II (Th/Tw/Pr) (TE 2008 Course)
7	408285	Electronic Image setting (Th/Tw/Pr)	308288	Digital Workflow and Image setting (Th/Pr) (TE 2008 Course)
8	408286	Project (Tw/Or)	408286	Project (Tw/Or)
9	Elective II 408287A	Study of Advertising and Multimedia (Th/Pr)	408285	Advertising and Multimedia (Th/Pr)
10	Elective II 408287B		408289	Package Design and Technology (Th/Tw/Pr)
11	Elective II 408287C	Information Technology (Th/Pr)	Elective II 408287C	Same as 2003 course – Information Technology (Th/Pr)
12	Elective II 408287D	Image Conversion & Modification (Th/Pr)	Elective III 408287 C	Image Conversion and Modification (Th/Tw/Pr)
13	408288	Technology of Gravure and Flexography (Th/Tw/Pr)	408288	Same as 2003 course - Technology of Gravure and Flexography (Th/Tw/Pr)
14	408289	Assembly and Maintenance of Printing Machines (Th/Tw/Or)	Elective III 408287 B	Printing machine maintenance (Th/Tw/Pr)
15	408290	Substrate & Ink Technology (Th)	408290	Same as 2003 course- Substrate & Ink Technology (Th)

Subject Equivalence for Final Year of Engineering (Production/Production SW/Industrial) University of Pune

	3 Course for Production/ oduction SW/Industrial	2008	Course for Production/Industrial Engineering
Code No.	Name of Subject	Code No.	Name of Subject
	Semester I		Semester I
411082	Machine Tool Design TH	411081	Machine Tool Design TH
411083	Manufacturing Automation and Control TH	411082	Manufacturing Automation TH
411084	Operations Research TH	411083	Operations Research TH
411081	Production Management TH	411084	Plastic Engineering Th
411085	Elective I TH		Elective I TH
	i. Reliability Engineering	411090	Total Quality Management
	ii. Powder Metallurgy	411084	Powder Metallurgy (Elective I)
	iii. Plant Engineering. and	411085	Plant Engineering. and Maintenance
	Maintenance	124 91 019 02	(Elective-II)
	iv. Material Handling and	411085	Materials and Logistic Management
	Engineering Design		(Elective-II)
411086	Project Work	411086	Project Work
	Oral		Oral
411082	Machine Tool Design	411081	Machine Tool Design
411083	Manufacturing Automation and Control	411082	Manufacturing Automation PR
	Term Work		Term Work
411082	Machine Tool Design	411081	Machine Tool Design
411084	Operations Research	411083	Operations Research
411081	Production Management	411084	Plastic Engineering
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411086	Project Work	411086	Project Work
411087	Material and Financial	411090	Material and Financial
	Management TH		Management
411088	Process Planning and	411088	Process Planning and
	Tool Selection TH		Tool Selection TH
411089	CAD/CAM/CIM TH	411087	Computer Integrated Design
	G (5)	4	and Manufacturing TH
111090	Elective II TH	411089	Elective TH
	i. Robotics	411084	Industrial Robotics (Elective I)
	ii. Ergonomics and Human	411085	Ergonomics and Human Factors in
	Factors in Engg.		Engg. (Elective-II)
	iii. Advanced Material Processing	411089	Metal Working & Tribology
	iv. Advanced Production Technology	411090	Intelligent Manufacturing Systems
	Oral		Oral
11086	Project Work	411086	Project Work
11088	Process Planning and	411088	Process Planning and
	Tool Selection		Tool Selection
11089	CAD/CAM/CIM		Computer Integrated Design and Manufacturing PR
	Term Work		Term Work
11086	Project Work	411086	Project Work
11087	Material and Financial Management	411089	Automobile Engineering
11089	CAD/CAM/CIM	411089	Finite Element Analysis

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	50	1	100	411109 Energy Management		50		100	411111 1. Entraprenurship development	411
	50	100 Exemption	100	411110 Elective III Manufacturing Au		50	25	100	411110 Energy Management	411
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	1	50	100	411003 Quantitative Techniques			50	100	411102 Business Accounting & Costing	411
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