

BSME Scheme of Studies
Revision I prepared For Fall 2010-11

1st Year
Semester-1

Subjects			Credit Hours		
Sr.#	Course Code	Course Title	Theory	Lab	Total
1	GS-101	Applied Physics	2	0	2
2	GS-102	Applied Math-I	3	0	3
3	EN-100	English-I	3	0	3
4	GS-103	Computer System & Programming	2	1	3
5	ME-111	Engineering Drawing & Graphics	1	1	2
6	GR-103	Arabic for understanding Quran -I	2	0	2
7	SS-101	Social Sciences-I	2	0	2
		Total	15	2	17

Semester-2

Subjects			Credit Hours		
Sr.#	Course Code	Course Title	Theory	Lab	Total
1	GS-104	Applied Math-II	3	0	3
2	GS-105	Applied Chemistry	2	0	2
3	ME-131	Thermodynamics-I	3	1	4
4	ME-112	Engineering Mechanics-I	3	1	4
5	ME-121	Workshop Technology	1	2	3
6	GR-104	Arabic for understanding Quran-II	2	0	2
		Total	14	4	18

2nd Year
Semester-3

Subjects			Credit Hours		
Sr.#	Course Code	Course Title	Theory	Lab	Total
1	GS-201	Applied Math-III	3	0	3
2	GR-211	Pakistan Studies	2	0	2
3	ME-231	Fluid Mechanics-I	3	1	4
4	ME-211	Engineering Mechanics – II	3	1	4
5	GR-209	Islamic Studies	2	0	2
6	EN-209	English-II	3	0	3
		Total	16	2	18

Semester-4

Subjects			Credit Hours		
Sr.#	Course Code	Course Title	Theory	Lab	Total
1	GS-202	Applied Math-IV	3	0	3
2	EE-201	Electrical Engineering	2	1	3
3	ME-212	Mechanics of Materials-I	3	1	4

4	ME-232	Fluid Mechanics-II	3	1	4
5	ME-233	Thermodynamics-II	3	1	4
		Total	14	4	18

3rd Year
Semester-5

Subjects			Credit Hours		
Sr.#	Course Code	Course Title	Theory	Lab	Total
1	GS-301	Statistics & Probability	2	0	2
2	EE-301	Basic Electronics	2	1	3
3	ME-322	Engineering Materials	3	0	3
4	ME-311	Machine Design	3	0	3
5	ME-312	Mechanics of Machines	3	1	4
6	ME-323	Engineering Management & Economics	2	0	2
		Total	15	2	17

Semester-6

Subjects			Credit Hrs		
Sr.#	Course Code	Course Title	Theory	Lab	Total
1	SS -301	Social Sciences-II	2	0	2
2	ME-313	Mechanics of Materials-II	3	1	4
3	ME-321	Manufacturing Processes	3	1	4
4	ME-331	Heat & Mass Transfer	3	1	4
5	ME-324	CAD / CAM	2	1	3
		Total	13	4	17

4th Year
Semester-7

Subjects			Credit Hrs		
Sr.#	Course Code	Course Title	Theory	Lab	Title
1	ME-414	Measurement & Instrumentation	2	1	3
2	ME-422	Production Engineering	3	1	4
3	ME-499	Design Project	0	3	3
4	ME-413	Introduction to Mechatronics	3	1	4
5	ME-415	Technical Elective I	2	1	3
		Total	10	7	17

Semester-8

Subjects			Credit Hrs		
Sr.#	Course Code	Course Title	Theory	Lab	Total
1	ME-412	Mechanical Vibrations	3	1	4
2	ME-416	Technical Elective II	2	1	3
3	ME-417	Management Elective	2	1	3
4	ME-499	Design Project	0	3	3
		Total	7	6	13

		Grand Total	104	31	135
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