



**TABLE 2a: COURSE DISTRIBUTION PER SEMESTER**

**MSc Program in Mechanical Engineering (Thesis-Based)**

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
<b>1<sup>st</sup> Semester (September – December)</b>								
1.	Compulsory	Special Topics in Advanced Mathematics	MEM 501	2	1.5	13	26	7
2.	Compulsory	Advanced Dynamics	MEM 502	2	1.5	13	26	7
3.	Compulsory	Research Methods OR Advanced Topics in Mechanical and Materials Engineering	MEM 504 OR MEM 555	1	1.5	13	13	5
4.	Compulsory	Advanced Thermodynamics	MEM 532	2	1.5	13	26	7
5.	Specialization	Technical Elective				13		7
<b>2<sup>nd</sup> Semester (January – May)</b>								
6.	Compulsory	Thesis	MEM 582			13		5



7.	Compulsory	Graduate Seminar	MEM 505			13		2
8.	Specialization	Technical Elective				13		7
9.	Specialization	Technical Elective				13		7
10.	Specialization	Technical Elective				13		7
11.	Compulsory	Thesis	MEM 583			16 (June – August)		30

**TABLE 2b: COURSE DISTRIBUTION PER SEMESTER**

**MSc Program in Mechanical Engineering (Course-Based)**

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
<b>1<sup>st</sup> Semester (September – December)</b>								
1.	Compulsory	Special Topics in Advanced Mathematics	MEM 501	2	1.5	13	26	7



2.	Compulsory	Advanced Thermodynamics	MEM 532	2	1.5	13	26	7
3.	Compulsory	Research Methods OR Advanced Topics in Mechanical and Materials Engineering	MEM 504 OR MEM 555	1	1.5	13	13	5
4.	Specialization	Advanced Dynamics	MEM 502	2	1.5	13	26	7
5.	Specialization	Technical Elective				13		7
<b>2<sup>nd</sup> Semester (January – May)</b>								
6.	Compulsory	Graduate Seminar	MEM 505			13		2
7.	Specialization	Technical Elective				13		7
8.	Specialization	Technical Elective				13		7
9.	Specialization	Technical Elective				13		7
10.	Specialization	Technical Elective				13		7

<b>3<sup>rd</sup> Semester (September – December)</b>								
11.	Specialization	Technical Elective				13		7



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12.	Specialization	Technical Elective				13		7
13.	Specialization	Technical Elective				13		7
14.	Specialization	Technical Elective				13		7