

SAMSUN UNIVERSITY KAVAK VOCATIONAL SCHOOL							
Motor Vehicles and Transportation Technologies Department							
Heavy Equipment Operator Program Syllabus							
I. Semester							
Course Code	Course Name	T	P	C	H	Type	ECTS
ATİ101	ATATÜRK'S PRINCIPLES AND REVOLUTION HISTORY I	2	0	2	2	Z	2
İMO101	MATHS	3	0	3	3	Z	4
İMO107	ENGINE TECHNOLOGY	2	1	3	3	Z	4
İMO121	HEAVY EQUIPMENTS-I	2	0	2	2	Z	3
İMO123	WORKSHOP-I	0	3	2	3	Z	3
İMO125	SCIENTIFIC PRINCIPLES OF TECHNOLOGY	3	0	3	3	Z	4
TDİ101	TURKISH LANGUAGE I	2	0	2	2	Z	2
YDİ101	FOREIGN LANGUAGE I	2	0	2	2	Z	2
	<b>TOTAL</b>	<b>16</b>	<b>4</b>	<b>19</b>	<b>20</b>		<b>24</b>
Elective Courses-I*							
İMO109	PROFESSIONAL ETHICS	2	0	2	2	S	3
İMO111	BUSINESS LAW	2	0	2	2	S	3
İMO113	OCCUPATIONAL HEALTH AND SAFETY	2	0	2	2	S	3
İMO115	ENVIRONMENTAL PROTECTION	2	0	2	2	S	3
İMO117	COMMUNICATION	2	0	2	2	S	3
İMO119	FIRST AID	2	0	2	2	S	3
* 6 (Six) ECTS courses will be selected from the Elective Courses-I.							
	<b>OVERALL TOTAL</b>						<b>30</b>

II. Semester							
Course Code	Course Name	T	P	C	H	Type	ECTS
ATİ102	ATATÜRK'S PRINCIPLES AND REVOLUTION HISTORY II	2	0	2	2	Z	2
İMO102	FUELS AND OILS	2	0	2	2	Z	2
İMO106	MATERIALS TECHNOLOGY	2	0	2	2	Z	2
İMO120	INTERNSHIP	0	0	0	0	Z	10
İMO122	WORKSHOP-II	0	3	2	3	Z	3
İMO124	TECHNICAL DRAWING	1	2	2	3	Z	4
İMO126	STATICS AND STRENGTH	2	1	3	3	Z	4
İMO130	HEAVY EQUIPMENTS-II	2	0	2	2	Z	3
TDİ102	TURKISH LANGUAGE II	2	0	2	2	Z	2
YDİ102	FOREIGN LANGUAGE II	2	0	2	2	Z	2
	<b>TOTAL</b>	<b>15</b>	<b>6</b>	<b>19</b>	<b>21</b>		<b>24</b>
Elective Courses-II*							
İMO108	MEASURING TECHNOLOGY	2	1	3	3	S	3
İMO110	PROFESSIONAL MATHEMATICS	2	1	3	3	S	3
İMO114	DIESEL ENGINES TECHNOLOGY	2	1	3	3	S	3
İMO116	ENTREPRENEURSHIP AND INNOVATION	2	0	2	2	S	3
İMO118	SOIL TYPES AND EXCAVATION TECHNOLOGY	2	1	3	3	S	3
İMO128	BASIC INFORMATION TECHNOLOGIES	2	1	3	3	S	3
* 6 (Six) ECTS courses will be selected from the Elective Courses-II.							
	<b>OVERALL TOTAL</b>						<b>30</b>

III. Semester							
Course Code	Course Name	T	P	C	H	Type	ECTS
IMO201	AUTOMOTIVE ELECTRICS AND ELECTRONICS	2	1	3	3	Z	4
IMO203	HYDRAULIC-PNEUMATIC	2	1	3	3	Z	5
IMO205	MACHINE SCIENCE AND ELEMENTS	2	1	3	3	Z	5
IMO209	HEAVY EQUIPMENT MAINTENANCE AND REPAIR-I	2	1	3	3	Z	4
IMO223	HEAVY EQUIPMENT-III	2	0	2	2	Z	3
IMO225	WORKSHOP-III	0	3	2	3	Z	3
<b>TOTAL</b>		<b>10</b>	<b>7</b>	<b>16</b>	<b>17</b>		<b>24</b>
<b>Elective Courses-III*</b>							
IMO211	PROFESSIONAL FOREIGN LANGUAGE	3	0	3	3	S	3
IMO213	BUSINESS ADMINISTRATION	3	0	3	3	S	3
IMO215	EMISSION CONTROL SYSTEMS	2	1	3	3	S	3
IMO217	MANUFACTURING METHODS	2	1	3	3	S	3
IMO219	WELDING TECHNOLOGY	2	1	3	3	S	3
IMO221	DAMAGE ANALYSIS	2	1	3	3	S	3
* 6 (Six) ECTS courses will be selected from the Elective Courses-III.							
<b>OVERALL TOTAL</b>							<b>30</b>

IV. Semester							
Course Code	Course Name	T	P	C	H	Type	ECTS
IMO202	POWER TRANSMISSION BODIES	2	1	3	3	Z	4
IMO204	TRANSPORT TECHNIQUE	2	1	3	3	Z	4
IMO206	MECHANISM TECHNIQUE	2	1	3	3	Z	4
IMO208	PUMPS AND COMPRESSORS	2	1	3	3	Z	4
IMO212	HEAVY EQUIPMENT MAINTENANCE AND REPAIR-II	2	1	3	3	Z	4
IMO226	HEAVY EQUIPMENT OPERATION	0	3	2	3	Z	4
<b>TOTAL</b>		<b>10</b>	<b>8</b>	<b>17</b>	<b>18</b>		<b>24</b>
<b>Elective Courses-IV*</b>							
IMO214	FACTORY ORGANIZATION	2	1	3	3	S	3
IMO216	SERVICE EQUIPMENT	2	1	3	3	S	3
IMO218	QUALITY ASSURANCE AND STANDARDS	3	0	3	3	S	3
IMO220	COMPUTER AIDED DRAWING	2	1	3	3	S	3
IMO222	ALTERNATIVE ENGINES AND FUEL SYSTEMS	2	1	3	3	S	3
IMO224	COMFORT SYSTEMS	2	1	3	3	S	3
* 6 (Six) ECTS courses will be selected from the Elective Courses-IV.							
<b>OVERALL TOTAL</b>							<b>30</b>