

UNIVERSITY of PETROSANI

FACULTY of MINING

FIELD of STUDY: **INDUSTRIAL ENGINEERING**

PROGRAMME of STUDY: **QUALITY ENGINEERING AND MANAGEMENT**

Academic Year 2016/2017

## CURRICULUM

### 1st Year of study

No	SUBJECTS	Subject cod	1st Semester (14 weeks)						2nd Semester (14 weeks)					
			C	S	L/P	PI	Examination Form	ECTS	C	S	L/P	PI	Examination Form	ECTS
<b>A. COMPULSORY SUBJECTS (O)</b>														
1	Mathematical Analysis	IDMCFO101	2	2		3	E	6						
2	Linear Algebra, Analytical and Differential Geometry	IDMCFO102	2	2		3	E	6						
3	Chemistry	IDMCFO103	2		2	2	E	5						
4	Applied Data Processing I	IDMCFO104	2		2	2	E	4						
5	Descriptive Geometry	IDMCFO105	2		2	2	C	4						
6	Foreign Languages I	IDMCCO106		2		1	C	3						
7	<b>Physical Education I</b>	IDMCCO107		1			A/R	1						
10	Probability Theory and Mathematical Statistics	IDMCFO210							2	2		2	E	5
11	Physics	IDMCFO211							2		2	3	E	5
12	Materials Study	IDMCDO212							2	1		2	E	5
13	Mechanics	IDMCDO213							2	2		2	E	5
14	Applied Data Processing II	IDMCFO214							2		2	2	C	5
15	Drafting and Computer – assisted Graphics	IDMCFO215									3	2	C	2
16	Foreign Languages II	IDMCCO216								2		1	C	3
17	<b>Physical Education II</b>	IDMCCO217								1			A/R	1
<b>TOTAL O:</b>			<b>10</b>	<b>7</b>	<b>6</b>	<b>13</b>	<b>4E+3C</b>	<b>28</b>	<b>10</b>	<b>8</b>	<b>7</b>	<b>14</b>	<b>4E+4C</b>	<b>30</b>
				<b>23</b>						<b>25</b>				
<b>B. OPTIONAL SUBJECTS (choice) (A)</b>														

8.	Science History	IDMCCO108	1	1		1	C	2						
9.	Cultural history and civilization	IDMCCO109	1	1		1	C	2						
<b>TOTAL A:</b>			1	1	0	1	1C	2						
				2										
<b>TOTAL O+A:</b>			11	8	6	14	4E+4C	30	10	8	7	14	4E+4C	30
				25					25					
<b>C. FACULTATIVE SUBJECTS (FREE CHOSEN) (L)</b>														
18	Philosophy	IDMCCL118	2	1		1	C	2						
19	Politology	IDMCCL219							2		1	2	C	3

Physical Education - credits over total of 60

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## CURRICULUM

### 2<sup>nd</sup> Year of study

No	SUBJECTS	Subject cod	3rd Semester (14 weeks)						4th Semester (14 weeks)					
			C	S	L/P	PI	Examination Form	ECTS	C	S	L/P	PI	Examination Form	ECTS
<b>A. COMPULSORY SUBJECTS (O)</b>														
1	Material Strength	IDMCDO301	2		2	2	E	5						
2	Management I	IDMCDO302	2	1		2	E	5						
3	Electrotechnics and Electrical Machines	IDMCDO303	3		2	2	E	5						
4	Law and Economic Legislation	IDMCSO304	2	1		1	C	4						
5	Tolerances and Dimensional Control	IDMCDO305	3		2	2	E	6						
6	Foreign Languages III	IDMCCO306		2		1	C	2						
7	<b>Physical Education III</b>	IDMCCO307		1			A/R	1						
10	Material Technology	IDMCDO410							2		2	2	E	4
11	Microeconomics	IDMCSO411							2	1		2	E	3
12	Statistical Methods Used in Quality	IDMCSO412							2	2		2	E	5
13	General Economy	IDMCCO413							2	1		1	C	3
14	Management II	IDMCDO414							2	1		2	E	3
15	Accounting Firms	IDMCSO415							2	1		1	C	2
16	Numerical Analysis	IDMCFO416							2	2		1	C	4
17	<b>Physical Education IV</b>	IDMCCO417								1			A/R	1
20	Technological Training	IDMCDO420									120		C	3
<b>TOTAL O:</b>			<b>12</b>	<b>5</b>	<b>6</b>	<b>10</b>	<b>4E+3C</b>	<b>27</b>	<b>14</b>	<b>9</b>	<b>2</b>	<b>11</b>	<b>4E+5C</b>	<b>27</b>
			<b>23</b>						<b>25</b>					
<b>B. OPTIONAL SUBJECTS (choice) (A)</b>														

8	Basics of Computer – Assisted Design	IDMCDA308	2		2	2	E	3							
9	Basics Production Systems Engineering	IDMCDA309													
18	Fluid Mechanics	IDMCDA418								2		2	1	C	3
19	Termotechnics and Thermal Equipments	IDMCDA419													
<b>TOTAL A:</b>			<b>2</b>		<b>2</b>	<b>2</b>	<b>1E</b>	<b>3</b>	<b>2</b>		<b>2</b>	<b>1</b>	<b>1C</b>	<b>3</b>	
			<b>4</b>						<b>4</b>						
<b>TOTAL O+A:</b>			<b>14</b>	<b>5</b>	<b>8</b>	<b>12</b>	<b>5E+3C</b>	<b>30</b>	<b>16</b>	<b>9</b>	<b>4</b>	<b>12</b>	<b>4E+6C</b>	<b>30</b>	
			<b>27</b>						<b>29</b>						
<b>C. FACULTATIVE SUBJECTS (FREE CHOSEN) (L)</b>															
21	Enterprise Finances	IDMCDL321	2	1		2	C	3							
22	Elements of Community Law	IDMCDL422							2		1	1	C	3	

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### 3<sup>rd</sup> Year of study

No	SUBJECTS	Subject cod	5th Semester (14 weeks)						6th Semester (14 weeks)					
			C	S	L/P	PI	Examination Form	ECTS	C	S	L/P	PI	Examination Form	ECTS
<b>A. COMPULSORY SUBJECTS (O)</b>														
1	Mechanisms and Machine Parts I	IDMCDO501	2		2	2	E	5						
2	Quality Management I	IDMCDO502	3	2		2	E	6						
3	Production and Operation Management	IDMCSO503	2	1		2	E	4						
4	Industrial Electronics and Automation	IDMCDO504	2		2	2	C	4						
5	Industrial Marketing	IDMCSO505	2	1		1	C	3						
6	Production Systems Engineering	IDMCSO506	2	1		2	C	3						
9	Ergonomics	IDMCDO609							2	1		1	C	3
10	Reliability and Maintenance	IDMCSO610							2	1		2	E	3
11	Quality Management II	IDMCDO611							2	1	1P	2	E	4
12	Research and Development Management	IDMCSO612							2	2		2	E	4
13	Merchandise Studies	IDMCSO613							2		1	2	C	3
14	Ecology and Environment Protection	IDMCDO614							2	1		2	C	3
15	Mechanisms and Machine Parts II	IDMCDO615							2		1		E	3
16	Speciality Training	IDMCDO616									120		C	4
<b>TOTAL O:</b>			<b>13</b>	<b>5</b>	<b>4</b>	<b>11</b>	<b>3E+3C</b>	<b>25</b>	<b>14</b>	<b>6</b>	<b>3</b>	<b>11</b>	<b>4E+4C</b>	<b>27</b>

			<b>22</b>						<b>23</b>					
<b>B. OPTIONAL SUBJECTS (choice) (A)</b>														
7	Project Management	IDMCSA507	2		2P	3	E	5						
8	Investment Management	IDMCSA508												
17	Work Study and Norming	IDMCSO617							2	1		2	E	3
18	Human Resources Management	IDMCSO618												
<b>TOTAL A:</b>			<b>2</b>		<b>2</b>	<b>3</b>	<b>1E</b>	<b>5</b>	<b>2</b>	<b>1</b>		<b>2</b>	<b>1E</b>	<b>3</b>
			<b>4</b>						<b>3</b>					
<b>TOTAL O+A:</b>			<b>15</b>	<b>5</b>	<b>6</b>	<b>14</b>	<b>4E+3C</b>	<b>30</b>	<b>16</b>	<b>7</b>	<b>3</b>	<b>13</b>	<b>5E+4C</b>	<b>30</b>
			<b>26</b>						<b>26</b>					
<b>C. FACULTATIVE SUBJECTS (FREE CHOSEN) (L)</b>														
17	Computer Science Management	IDMCDL509	2		1	2	C	4						
18	Negotiation Techniques	IDMCDL619							2	1		1	1	3

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9	Industrial Economy	IDMCDA709													
17	Customer Relationship Management	IDMCSA817													
18	Communication and Public Relations Management	IDMCSA818							2	2			2	C	3
<b>TOTAL A:</b>			4	1	2	4	1E+1C	8	2	2		2	1C	3	
			7						4						
<b>TOTAL O+A:</b>			16	4	6	14	4E+3C	30	14	10	2	14	4E+3C	30	
			26						26						
<b>C. FACULTATIVE SUBJECTS (FREE CHOSEN) (L)</b>															
19	Costs Calculation	IDMCDL719	2	1		2	C	3							
20	Environment Management	IDMCDL820							2	2		2	C	3	

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