

Year I, Semester 1 (winter)

No.	Course	Course type	Hours	Credit*	Course credit obligatory for semester completion	ECTS points
A. General education courses						
1.	Etiquette in Public Life	lecture	15	grading	no	1
2.	Social Communication	lecture	15	grading	no	1
3.	Information Technology	lecture	15	grading	no	2
4.	Information Technology	laboratory	15	grading		
B. Basic courses						
5.	Physics	lecture	15	grading	no	3
6.	Physics	class	15	grading		
7.	Microeconomics, macroeconomics	lecture	30	examination	yes	5
8.	Microeconomics, macroeconomics	class	15	grading		
C. Faculty courses						
9.	Management	lecture	30	examination	yes	4
10.	Materials science	lecture	30	grading	no	3
11.	Engineering Design	lecture	30	grading	no	5
12.	Engineering Design	class	15	grading		
13.	Engineering Graphics, Informatics and Computer Aided Engineering	lecture	30	grading	yes	6
14.	Engineering Graphics, Informatics and Computer Aided Engineering	project	30	grading		
Total:			300		Total:	30

* all forms of credit are with a grade

Institute of Management, University of Applied Sciences in Nysa
Management and Production Engineering – full-time studies in ECTS system
Specialisation: Quality Engineering
academic year 2015/2016

Year I, Semester 2 (summer)

No.	Course	Course type	Hours	Credit*	Course credit obligatory for semester completion	ECTS points
A. General education courses						
1.	Elective course (Business Ethic, Foundations of Sociology)	lecture	30	grading	no	2
B. Basic courses						
2.	Mathematics, Statistics, Operational Research	lecture	15	examination	no	4
3.	Mathematics, Statistics, Operational Research	class	30	grading		
4.	Physics	lecture	15	grading	no	4
5.	Physics	class	15	grading		
6.	Physics	laboratory	15	grading		
7.	Microeconomics, macroeconomics	lecture	15	examination	yes	4
8.	Microeconomics, macroeconomics	class	15	grading		
9.	Business Law	lecture	30	examination	no	3
C. Major courses						
10.	Production and service management	lecture	30	grading	yes	3
11.	Production and service management	laboratory	15	grading		
12.	Materials science	lecture	30	grading	no	3
13.	Materials science	laboratory	15	grading		
14.	Engineering Design	lecture	15	grading	no	4
15.	Engineering Design	project	30	grading		
16.	Engineering Graphics, Informatics and Computer Aided Engineering	lecture	15	grading	no	3
17.	Engineering Graphics, Informatics and Computer Aided Engineering	laboratory	30	grading		
Total:			360		Total:	30

* all forms of credit are with a grade

Year II, Semester 3 (winter)

No.	Course	Course type	Hours	Credit*	Course credit obligatory for semester completion	ECTS points
A. General education courses						
1.	Foreign language	laboratory	30	grading	no	1
2.	Fundamentals of Intellectual and Industrial Property Rights	lecture	15	grading	no	1
B. Basic courses						
3.	Mathematics, Statistics, Operational Research	lecture	15	examination	no	4
4.	Mathematics, Statistics, Operational Research	class	15	grading		
5.	Marketing	lecture	30	grading	yes	3
6.	Marketing	seminar	15	grading		
C. Major courses						
7.	Raw Materials and Industrial Technology	lecture	15	grading	no	2
8.	Raw Materials and Industrial Technology	laboratory	30	grading		
9.	Enterprise Logistics	lecture	30	examination	no	4
10.	Enterprise Logistics	project	15	grading		
11.	Engineering Design	lecture	30	examination	yes	5
12.	Engineering Design	project	30	grading		
13.	Production Processes	lecture	15	grading	yes	3
14.	Production Processes	laboratory	15	grading		
15.	Metrology I	lecture	15	grading	no	3
16.	Metrology I	laboratory	15	grading		
17.	Engineering Graphics, Informatics and Computer Aided Engineering	lecture	15	grading	no	4
18.	Engineering Graphics, Informatics and Computer Aided Engineering	laboratory	30	grading		
Total:			375		Total:	30

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Year II, Semester 4 (summer)

No.	Course	Course type	Hours	Credit*	Course credit obligatory for semester completion	ECTS points
A. General education courses						
1.	Foreign language	laboratory	30	grading	no	1
2.	Physical Education	class	30	grading	no	1
3.	Principles of business	lecture	30	grading	no	2
B. Basic courses						
4.	Mathematics, Statistics, Operational Research	lecture	15	grading	no	5
5.	Mathematics, Statistics, Operational Research	laboratory	30	grading		
6.	Ecology and Environmental Management	lecture	15	grading	no	2
C. Major courses						
7.	Cost Account for Engineers, Finance and Accountancy	lecture	30	examination	no	5
8.	Cost Account for Engineers, Finance and Accountancy	class	30	grading		
9.	Production Processes	lecture	30	examination	yes	4
10.	Production Processes	laboratory	15	grading		
11.	Metrology II	lecture	15	grading	no	4
12.	Metrology II	laboratory	15	grading		
13.	Engineering Graphics, Informatics and Computer Aided Engineering	lecture	15	examination	yes	4
14.	Engineering Graphics, Informatics and Computer Aided Engineering	laboratory	30	grading		
15.	Raw Materials and Industrial Technology	lecture	15	grading	no	2
16.	Raw Materials and Industrial Technology	seminar	15	grading		
Total:			360		Total:	30

* all forms of credit are with a grade

Year III, Semester 5 (winter)

No.	Course	Course type	Hours	Credit*	Course credit obligatory for semester completion	ECTS points
A. General education courses						
1.	Foreign language	laboratory	30	grading	no	1
2.	Physical Education	class	30	grading	no	1
B. Basic courses						
3.	Mathematics, Statistics, Operational Research	lecture	30	grading	no	4
4.	Mathematics, Statistics, Operational Research	class	15	grading		
5.	Ecology and Environmental Management	lecture	15	grading	no	2
6.	Ecology and Environmental Management	seminar	15	grading		
C. Major courses						
7.	Cost Account for Engineers, Finance and Accountancy	lecture	30	grading	no	4
8.	Cost Account for Engineers, Finance and Accountancy	class	15	grading		
9.	Quality and Safety Management	lecture	30	examination	yes	5
10.	Quality and Safety Management	class	30	grading		
11.	Production Processes Automation and Robotics	lecture	30	grading	no	5
12.	Production Processes Automation and Robotics	laboratory	15	grading		
13.	Production Processes Automation and Robotics	project	15	grading		
D. Specialization courses						
14.	Project Management	lecture	30	examination	yes	4
15.	Project Management	laboratory	30	grading		
16.	Technological Processes in Manufacturing	lecture	15	grading	no	4
17.	Technological Processes in Manufacturing	project	30	grading		
Total:			405		Total:	30

* all forms of credit are with a grade

Year III, Semester 6 (summer)

No.	Course	Course type	Hours	Credit*	Course credit obligatory for semester completion	ECTS points
A. General education courses						
1.	Foreign language	laboratory	30	examination	yes	2
D. Specialization courses						
2.	Quality Management in Production	lecture	15	grading	no	2
3.	Quality Management in Production	project	15	grading		
4.	Service Quality Management	lecture	15	grading	yes	2
5.	Service Quality Management	project	15	grading		
6.	Designing Production and Service Systems	lecture	30	examination	yes	5
7.	Designing Production and Service Systems	project	30	grading		
8.	Designing Production and Service Systems	seminar	15	grading		
9.	Computer Integrated Manufacturing	lecture	30	grading	yes	4
10.	Computer Integrated Manufacturing	laboratory	30	grading		
11.	Statistical Methods in Quality Management	lecture	30	examination	yes	4
12.	Statistical Methods in Quality Management	laboratory	30	grading		
13.	IT Management Systems	lecture	15	grading	yes	3
14.	IT Management Systems	laboratory	15	grading		
15.	Thesis	project	45	grading	yes	4
16.	Diploma Seminar	seminar	30	grading	yes	4
Total:			390		Total:	30

* all forms of credit are with a grade

Year IV, Semester 7 (winter)

No.	Course	Course type	Hours	Credit*	Course credit obligatory for semester completion	ECTS points
D. Specialization courses						
1.	Human Resource Management	lecture	15	grading	yes	2
2.	Human Resource Management	seminar	15	grading		
3.	Economics of Quality	lecture	15	grading	yes	2
4.	Economics of Quality	class	15	grading		
5.	Economics of Quality	project	15	grading		
6.	Standardisation in Quality Management	lecture	30	examination	yes	2
7.	Standardisation in Quality Management	project	15	grading		
8.	IT Management Systems	lecture	30	examination	yes	4
9.	IT Management Systems	laboratory	30	grading		
10.	Diploma Seminar	seminar	30	grading	yes	4
11.	Diploma Thesis	project	300	grading	yes	10
12.	Professional Practice		6 weeks		yes	6
Total:			510		Total:	30

** all forms of credit are with a grade*