		STUDY MODULE DI	ESCRIPTION FORM	
	f the module/subject rematical Decisio	on Making		Code 1011105211010346436
Field of Safe		Part-time studies - Secon	Profile of study (general academic, practica <b>d-</b> (brak)	I) Year /Semester
Elective	path/specialty Ergonom	nics and Work Safety	Subject offered in: Polish	Course (compulsory, elective) <b>obligatory</b>
Cycle of	study:		Form of study (full-time,part-time	)
	Second-cy	ycle studies	part	-time
No. of h	ours			No. of credits
Lectur	e: 12 Classes	s: 16 Laboratory: -	Project/seminars:	- 4
Status c	-	program (Basic, major, other)	(university-wide, from another	,
		(brak)		(brak)
Educatio	on areas and fields of sci	ence and art		ECTS distribution (number and %)
the se	ciences			4 100%
	Mathematical	sciences		4 100%
dr P ema tel Fac ul. F	onsible for subje iotr Rejmenciak iil: piotr.rejmenciak@p +48 61 665 2812 ulty of Electrical Engin Piotrowo 3A, 60-965 P couisites in term	out.poznan.pl eering	social competencies	
		Students have knowledge of mai		
1	Knowledge			
2	Skills	Students can determine the extra derivatives, operate on matrices.		
3	Social competencies	Students are eager to learn.		
Assu	mptions and obj	ectives of the course:		
The air	n of the course is to fa	amiliarize students with the differer	nt methods that help in making	g the best decisions.
	Study outco	mes and reference to the	educational results fo	r a field of study
Know	/ledge:			
		stand methods to make optimal de atical model and the optimization c		
Skills			•	· •
1. Stud		late a mathematical model of linea	ar and nonlinear programming	problems [K2A-U1-5, K2A-
2. Stud	-	real issues of the optimal solution	or any changes in the input d	ata [K2A-U1-5, K2A-U10, K2A-
		decision problem in terms of expendence of e		ed and the amount of work
Socia	I competencies:			
1. Stud	lents understand the n	need and knows the possibilities of	lifelong learning [K2A-K1, k	K2A-K3]
		ity to use the learned knowledge i		

## Assessment methods of study outcomes

Formative assessment:		
a) In regards to classes: on the basis of two written tests.		
<ul> <li>b) Regarding lectures: on the basis of oral or written assignments re lectures.</li> </ul>	lating to the material covered	during current or previous
Collective assessment:		
a) In respect to classes:receive 51% of the total points is equivalent every 10 percentage points.	o completing the exercise, th	e assessment "change"
b) Considering lectures: the average of formative marks.		
Course descr	iption	
? Mathematic programming		
? Network algorithms: determination of the shortest path in the transport network	ne graph, determination of the	maximum flow in the
? Transport Problems		
? Games		
? Rough set theory;		
? Relations: orders		
? Fuzzy set theory		
Additional bibliography:		
Additional bibliography: Result of average stud	ent's workload	
Result of average stud	ent's workload	Time (working
Result of average stud Activity	ent's workload	hours)
Result of average stud Activity 1. Participation in lectures	ent's workload	<b>hours)</b> 12
Result of average stud Activity 1. Participation in lectures 2. Participation in exercises	ent's workload	<b>hours)</b> 12 16
Result of average stud Activity 1. Participation in lectures 2. Participation in exercises 3. Consultation	ent's workload	12 16 15
Result of average stud Activity 1. Participation in lectures 2. Participation in exercises 3. Consultation 4. Preparing for training	ent's workload	hours) 12 16 15 15
Result of average stud Activity 1. Participation in lectures 2. Participation in exercises 3. Consultation		12 16 15
Result of average stud Activity 1. Participation in lectures 2. Participation in exercises 3. Consultation 4. Preparing for training 5. Preparing for colloquia		hours) 12 16 15 15
Result of average stud Activity  1. Participation in lectures 2. Participation in exercises 3. Consultation 4. Preparing for training 5. Preparing for colloquia Student's wor Source of workload	kload	hours) 12 16 15 15 20 ECTS
Result of average stud Activity  1. Participation in lectures 2. Participation in exercises 3. Consultation 4. Preparing for training 5. Preparing for colloquia Student's wor	kload	hours) 12 16 15 15 20