

EES name : INSTITUTE OF OPTICS AND PRECISION MECHANICS Departement : OPTIC

MATTER SYLLABUS

(to be published on the institution's website)

Technical english

LECTURER		Proffesor's first and last name			
		Student reception per week			
Email	azilkenza@gmail.com	day :	Sunday	Hour	14:00h
N ° OFFICE	/	day :	monday	Hour	08:00h
Tel secretariat	/	day :	tuesday	Hour	08:00h
OTHER	0668710789	Location :	IOMP	office :	auditorium 2

DIRECTED WORKS

(Student reception per week)

[illegible]

PRACTICAL WORK

(Student reception per week)

[illegible]

DESCRIPTION OF COURSE	
Objectives	-knowledge of Basic metrologic vocabulary in English. -Analysis and translation of an English text -Understanding and being understood in writing and orally,
Type Unit Education	Transversal UE
Succinct content	Chapter I - technical english for science & technology 1. Optics and photonics 2. Materials science 3. Mechanics engineering Chapitre II – technical english for metrology 1. Metrology instruments 2. Metrology classification 3. Metrology measurement Chapitre III - Writing your CVs and motivation letter 1. CV personal profile: How to write yours? 2. How to Write a Motivation Letter ?
Credits of the subject	2
Material coefficient	1
Equity Weighting	/
Weighting Attendance	/
Calculation Average C.C.	100% Exam
Intended competencies	The student is supposed to read instructions The oral and written way the student is supposed to have acquired as skills after success in this subject . Students are expected to read equipment instructions written in English and understand their scientific content. Brings together a scientific vocabulary related to applied optics science, materials and fine mechanics, optometry and metrology. Build a scientific banding to better speak and listen and explain the different technical phenomena. Summarize a scientific text Write a CV, a cover letter, Improve the skills of speaking, listening etc

EVALUATION OF CONTINUOUS KNOWLEDGE CHECKS							
INITIAL KNOWLEDGE CHECK							
day	Session	Duration	Type (1)	Doc authorized (yes, No)	Scale	Exchange after evaluation (date Consult. copy)	Evaluation criteria (2)
20 DEC		30 min	W	No	10	Cliquez ici pour entrer une date.	D R
SECOND KNOWLEDGE CHECK							
day	Session	Duration	Type (1)	Doc	Scale	Exchange	Evaluation

				authorized (yes, No)		after evaluation (date Consult. copy)	criteria (2)
20 nov		15 Min	IP	yes	4	Cliquez ici pour entrer une date.	EC

(1) (1) Type: W=written, IP=individual presentation, CP=class presentation, EX=experimentation, MCQ

(2) Evaluation criteria: A=Analysis, S=synthesis, AR=argumentation, A=approach, R=results

EQUIPMENT AND MATERIALS USED	
Platform Addresses	https://iomp-courses.univ-setif.dz/course/view.php?id=292
Application Names (Web, LAN)	/
Handout	
laboratory Materials	
protection Materials	/
Field Exit Equipment	/

Expectations	
Expected of students (Participation-involvement)	the student is supposed to have acquired as skills after success in this subject . Students are expected to read equipment instructions written in English and understand their scientific content. Brings together a scientific vocabulary related to applied optics science, materials and fine mechanics, optometry and metrology. Build a scientific banding to better speak and listen and explain the different technical phenomena.

	Summarize a scientific text Write a CV, a cover letter, Improve the skills of speaking, listening etc
Professor expectations	Improve practical and theoretical skills Answer students' questions Verify student understanding

BIBLIOGRAPHY	
Books and numerical ressources	BOOK. OF studying optics
Articles	
Handouts	course PDF
Web sites	https://www.nist.gov/metrology https://metrologyasiapacific.com/about-metrology/w

Department wet stamp

Nom EES : IOMP-UFA SETIF1
Département : Mechanic

SYLLABUS DE LA MATIERE
(à publier dans le site Web de l'institution)

ENSEIGNANT DU COURS MAGISTRAL		Dr. ARIANE Khalissa			
		Réception des étudiants par semaine			
Email	khalissa.ariane@univ-setif.dz	Jour :	Monday	heure	14h
Tél de bureau		Jour :		heure	
Tél secrétariat		Jour :		heure	
Autre		Bâtiment :	A2	Bureau :	

Dr. ARIANE Khalissa

Email	khalissa.ariane@univ-setif.dz	Jour :	Monday	heure	14h
Tél de bureau		Jour :		heure	
Tél secrétariat		Jour :		heure	
Autre		Bâtiment :	A2	Bureau :	

TRAVAUX DIRIGES
(Réception des étudiants par semaine)

[illegible]

Bureau/salle réception	S12
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Séance 1	
jour	heure
Thurs	11h

Séance 2	
jour	Heure

Séance 3	
jour	heure

[illegible]

TRAVAUX PRATIQUES
(Réception des étudiants par semaine)

[illegible]

Bureau/salle
réception

Séance 1	
jour	heure

Séance 2	
jour	heure

Séance 3	
jour	heure

[illegible]

DESCRIPTIF DU COURS	
Objectif	Get info. about the specific conventions of TD To learn how to draw & to read technical drawings
Type Unité Enseignement	Fundamentale 2.1
Contenu succinct	
Crédits de la matière	6
Coefficient de la matière	4
Pondération Participation	7 pts
Pondération Assiduité	3 pts
Calcul Moyenne C.C	10 (interro.) +7 (participation) + 3 (attendance)
Compétences visées	Carrying out the perspective drawings Reading technical drawings Learning & applying dimensioning rules

EVALUATION DES CONTROLES CONTINUS DE CONNAISSANCES							
PREMIER CONTROLE DE CONNAISSANCES							
Jour	Séance	Durée	Type (1)	Doc autorisé (Oui, Non)	Barème	Echange après évaluation (date Consult. copie)	Critères évaluation (2)
		1h	E	No	/10	Cliquez ici pour entrer une date.	R
DEUXIEME CONTROLE DE CONNAISSANCES							
Jour	Séance	Durée	Type (1)	Doc autorisé (Oui, Non)	Barème	Echange après évaluation (date consultation copies)	Critères évaluation (2)
						Cliquez ici pour entrer une date.	

(1) Type : E=écrit, EI=exposé individuel, EC=exposé en classe, EX=expérimentation, QCM

(2) Critères évaluation :A=Analyse, S=synthèse,AR=argumentation, D=démarche, R=résultats

EQUIPEMENTS ET MATERIELS UTILISES	
Adresses Plateformes	https://iomp.univ-setif.dz/ https://progres.mesrs.dz/webfve/login.xhtml
Noms Applications (Web, réseau local)	https://iomp-courses.univ-setif.dz/
Polycopiés	
Matériels de laboratoires	
Matériels de protection	
Matériels de sorties sur le terrain	

LES ATTENTES	
Attendues des étudiants (Participation-implication)	Participation of students in pedagogic activities Respect of deadlines for submission of homework
Attentes de l'enseignant	Adopt a listening, questioning and researching attitude Put in the necessary effort for understanding

BIBLIOGRAPHIE	
Livres et ressources numériques	Guide du dessinateur indust., A. Chevalier, 2003 DT et lecture de plan, J-P Gausset, 2012
Articles	
Polycopiés	
Sites Web	

Cachet humide du département

EES name: Institute of Optics and fine mechanics
Department : Optics

MATERIAL SYLLABUS
(to be published on the institution's website)

Electronics

MASTER COURSE TEACHER		Mezache zinlabiddin			
		Reception of students per week			
E-mail	z.mezache@univ-setif.dz	Day :	Sunday	hour	2:00 p.m.
office phone		Day :	Wednesday	hour	3:00 p.m.
Tel secretariat		Day :		hour	
Other	050523463	Building :	BLOCK A	Desk :	3

TUTORIALS
(Reception of students per week)

NAMES AND FIRST NAMES OF TEACHERS	Office/reception room	Session 1		Session 2		Session 3	
		day	hour	day	Hour	day	hour
MEZACHE Z	Room 16	Sunday	9:00 a.m.	sunday	10:00 a.m.	sunday	11:00

PRACTICAL WORK
(Reception of students per week)

NAMES AND FIRST NAMES OF TEACHERS	Office/reception room	Session 1		Session 2		Session 3	
		day	hour	day	hour	day	hour
MEZACHE Z	Lab. information	Wednesday	1:00 p.m.	Wednesday	2:00 p.m.	thank you	3:00 p.m.

COURSE DESCRIPTION	
Objective	Understand servo technology Commonly used in automatic
Type Unit Teaching	Methodological
Short content	
Subject Credits	03
material coefficient	02
Weighting Participation	
Weighting Attendance	
DC Average Calculation	
Targeted skills	Understanding of purely linear phenomena of enslavement

ASSESSMENT OF CONTINUOUS KNOWLEDGE CHECKS							
FIRST KNOWLEDGE CHECK							
Day	Session	Durati on	Kind (1)	Doc authori zed (Yes, No)	Scale	Exchange after evaluation (date Consult. copy)	Evaluation criteria (2)
FROM THE COURT	VS	30MIN	Ec	No	/20	02/09/2023	DD
SECOND KNOWLEDGE CHECK							
Day	Session	Durati on	Kind (1)	Doc authori zed (Yes, No)	Scale	Exchange after evaluation (date consultation copies)	Evaluation criteria (2)
FROM THE COURT	VS	30MIN	CE	No	/20	02/09/2023	D

(1) Type: E=written, EI=individual presentation, EC=class presentation, EX=experimentation, MCQ

(2) Evaluation criteria: A=Analysis, S=synthesis, AR=argumentation, D=approach, R=results

EQUIPMENT AND MATERIALS USED	
Addresses Platforms	https://iomp-courses.univ-setif.dz/
Application names (Web, local network)	WEB
handouts	PDF

Laboratory materials	electrical laboratory equipment
Protective materials	none
Field trip equipment	none

EXPECTATIONS	
Expected of students (Participation-involvement)	Understand servo technology
Teacher expectations	better mastery and understanding servo system technology

BIBLIOGRAPHY	
Books and digital resources	Linear servo systems Jean Claude Chauveau Delagrave edition 1994
Items	
Handouts	course pdf files
Web sites	all related websites classes

Wet stamp of the department

Name of the H.E.I : OPTICS and PRECISION MECHANICS

Department : OPTICS DEPARTMENT

SUBJECTSYLLABUS

(to be published on the institution Website)

ELECTROTECHNICS

COURSE LECTURER

HAMOUDA Abdellatif

Weekly students reception

Email	Abdellatif.hamouda@univ-setif.dz hamlatif@yahoo.fr	Day :	Tuesday	hour	11h00
Office phone		Day :		hour	
Secretariat phone		Day :		hour	
Other		Building :	B	Office :	S15

TUTORIALS

(Weekly students reception)

TEACHERS' FULL NAMES	Office/Room reception	Session 1		Session 2		Session 3	
Day	Hour	Day	Hour	Day	Hour		
HAMOUDA Abdellatif	S15	Thursday	09h30				

PRACTICAL WORKS

(Weekly students reception)

TEACHERS' FULL NAMES	Office/Room reception	Session 1		Session 2		Session 3	
Day	hour	Day	hour	Day	hour		
ABDESLAM Saad	Labo.Electricit	Monday	10h00				
HAMOUDA Abdellatif	Labo.Electricit	Monday	10h00				

COURSE DESCRIPTION

Objective	Learn to determine the quantization parameters of a signal.
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	Modeling, calculations and measurements in electrical circuits. Modeling, calculations and measurements in magnetic circuits. Modeling and testing of the single-phase transformer.
Teaching Unit Type	Methodological
Short content	- Characteristic values of a signal - Single-phase alternating current and vector diagram - Passive dipoles in alternating current - Calculation in magnetic circuits - Single-phase transformer
Subject Credits	3
Subject Coefficient	2
Participation Weighting	7
Attendance Weighting	3
Mean Calculation of C E	(Participation/ 7+Attendance/ 3+ Written Test/ 10)
Targeted competences	- Ability to perform calculations in electrical circuits - Use of measuring equipment - Selection of electrical circuits for metrology applications - Characterization of magnetic material - Determining the equivalent diagram of a transformer

KNOWLEDGE CONTINUOUS TESTING							
FIRST KNOWLEDGE TEST							
Day	Session	Duration	Type (1)	Doc Allowed (Yes, No)	Scale	Discussion after evaluation (date Consult. copies)	Evaluation standards (2)
Monday	09h30'	45'	E	No	10	13/10/2022	D
SECOND KNOWLEDGE TEST							
Jour	Séance	Durée	Type (1)	Doc autorisé (Oui, Non)	Barème	Echange après évaluation (date consultation copies)	Critères évaluation (2)
Monday		45'	E	No	10		D

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(2)Critères évaluation : A=Analyse, S=synthèse, AR=argumentation, D=démarche, R=résultats

EQUIPEMENTS ET MATERIELS UTILISES	
Adresses Plateformes	https://iomp.univ-setif.dz/ http://cte.univ-setif.dz/moodle/course/category.ph
Noms Applications (Web, réseau local)	localNetwork
HANDOUTS	Course Handout
Laboratory Equipments	AC and DC Power supplies, Ammeters, voltmeters, oscilloscopes, Teslameter, Electrical components, magnetic circuits, coils
Protection Equipments	
Field Trip Equipments	

EXPECTATIONS	
Expected from Students (Participation-involvement)	Understanding and Assimilating the provided courses. Preparing the given TD series, participating in their solution in class and presenting the own solution approach . Exploiting the theory learned in electrical measurements Learn to use measuring instruments
Teacher's Expectations	Analysis of problems encountered, Carry out electrical measurements even in complex circuits Use the knowledge acquired during this module in metrology

BIBLIOGRAPHIES	
Books and Digital ressources	- Memotech plus élektrotechnique, René Bourgeois, Denie Cogniel - Electrotechnique et machines électriques, B. Saint-Jean, Paris: Eyrolles, 1977 -Electrotechnique générale, A. Blajkine et al. Edition Mir, 1977
Articles	
Handouts	Course Handout
WebSites	

EES name: FERHAT ABBAS UNIVERSITY SETIF 1

Department: Institute of Optics and Mechanics

MATERIAL SYLLABUS

(to be published on the institution's website)

Measurement and control instruments

COURSE TEACHER

Benghalem Nafissa

MAJOR

Reception of students per week

E-mail	n_khanafi@yahoo.fr	Day :	THURSDAY	hour	8 am
office phone		Day :		hour	
Tel secretariat	036 74 92 04	Day :		hour	
Other		Building :	B	Desk :	S15

TUTORIALS

(Reception of students per week)

LASTNAMES AND FIRSTNAMES TEACHERS	Office/room reception	Session 1		Session 2		Session 3	
		day	hour	day	Hour	day	hour
	/						
	/						
	/						
	/						
	/						
	/						

PRACTICAL WORK

(Reception of students per week)

LASTNAMES AND FIRSTNAMES TEACHERS	Office/room reception	Session 1		Session 2		Session 3	
		day	hour	day	hour	day	hour
Issaad Dahia	metro lab	sunday	9:30.				
Keraghel Fatiha	metro lab	sunday	9: 30				
Ariane Khalissa	metro lab	sunday	9:30.				
Redjechta A/ouahab	metro lab	sunday	9:30				

COURSE DESCRIPTION

Objective	Introduce students to the use of instruments Simple measurements
Type Unit Teaching	UEF
Short content	Correct reading on the different types of ins
Subject Credits	14

material coefficient	9
Weighting Participation	7
Weighting Attendance	3
DC Average Calculation	
Targeted skills	Teach the student to distinguish between the principle of operation of several instruments and means of verification know the methods of measurement

ASSESSMENT OF CONTINUOUS KNOWLEDGE CHECKS

FIRST KNOWLEDGE CHECK

Day	Session	Duration	Kind (1)	Doctor authorized é (Yes, No)	Scale	Exchange after assessment (date Consult. copy)	Criteria assessment (2)
Wednesday	1	1h30	E	No		01/25/2023	AS

SE COND KN OWLEDGE CHECK

Day	Session	Duration	Kind (1)	Doctor authorized é (Yes, No)	Scale	Exchange after assessment (date consultation copies)	Criteria assessment (2)
						Click here to enter a date.	

(1) Type: E=written, EI=individual presentation, EC=class presentation, EX=experimentation, MCQ

(2) Evaluation criteria: A=Analysis, S=synthesis, AR=argumentation, D=approach, R=results

EQUIPMENT AND MATERIALS USED

Addresses Platforms	https://iomp.univ-setif.dz/ http://cte.univ-setif.dz/ moodle/course/category.ph
Application Names (web, local network)	local network
Handouts	Lab instructions (4 labs)
Materials of laboratories	Vernier calipers, Palmer, device of the faud round verifiers (buffer gauges, shims etalon
Materials of protection	
Output materials in the field	
EXPECTATIONS	

Expected of students (Participation-involvement)	Perform measurements on different instruments know the characteristics of the different insts choose the appropriate instr for the problem metrology applicable
Teacher expectations	Students can use the instruments safely Learn to handle and measure
BIBLIOGRAPHY	
Books and Resources digital	Nafissa Khennafi' Bengalem Dimensional metrology and measurement techniques Novembre 2015 EUE
Items	
Handouts	Measurement and instrumentation course leila Laib February 5, 2005
Web sites	

Wet stamp of the department

Nom EES : SAISIR ICI LE NOM DE L'ETABLISSEMENT
Département : Saisir ici le nom du département

SYLLABUS DE LA MATIERE
(à publier dans le site Web de l'institution)

Geometrical Optics

ENSEIGNANT DU COURS MAGISTRAL		Nom et prénom de l'enseignant			
		Réception des étudiants par semaine			
Email	oussama_bou@univ-setif.dz	Jour :	Thursday	heure	8h00
Tél de bureau		Jour :		heure	
Tél secrétariat		Jour :		heure	
Autre	0779795940	Bâtiment :	Travaux	Bureau :	A2

TRAVAUX DIRIGES
(Réception des étudiants par semaine)

NOMS ET PRENOMS DES ENSEIGNANTS	Bureau/salle réception	Séance 1		Séance 2		Séance 3	
		jour	heure	jour	Heure	jour	heure
BOUZID OUSSAMA	S16	MOND A	15h30	MOND A	15h30	MOND A	15h30

TRAVAUX PRATIQUES
(Réception des étudiants par semaine)

NOMS ET PRENOMS DES ENSEIGNANTS	Bureau/salle réception	Séance 1		Séance 2		Séance 3	
		jour	heure	jour	heure	jour	heure
BOUZID OUSSAMA	Bloc B	Tuesd	08h00	Tuesd	08h00	Tuesd	08h00

DESCRIPTIF DU COURS	
Objectif	Comprehension of the basics of geometrical optics And the working principles of differents instrumen
Type Unité Enseignement	Methodology
Contenu succinct	Fermat's principle and image constructions aberrat
Crédits de la matière	04
Coefficient de la matière	03
Pondération Participation	4 participations per student
Pondération Assiduité	90%
Calcul Moyenne C.C	3 presences + 7 participations + 10 questionning
Compétences visées	Comprehension of the basics of geometrical optics And the working principles of differents instrumen

EVALUATION DES CONTROLES CONTINUS DE CONNAISSANCES							
PREMIER CONTROLE DE CONNAISSANCES							
Jour	Séance	Durée	Type (1)	Doc autorisé (Oui, Non)	Barème	Echange après évaluation (date Consult. copie)	Critères évaluation (2)
Tutoria	4	30min	E	non	/5	Cliquez ici pour entrer une date.	A
DEUXIEME CONTROLE DE CONNAISSANCES							
Jour	Séance	Durée	Type (1)	Doc autorisé (Oui, Non)	Barème	Echange après évaluation (date consultation copies)	Critères évaluation (2)
Tutoria	8	30min	E	non	/5	Cliquez ici pour entrer une date.	A

(1) Type : E=écrit, EI=exposé individuel, EC=exposé en classe, EX=expérimentation, QCM

(2) Critères évaluation : A=Analyse, S=synthèse, AR=argumentation, D=démarche, R=résultats

EQUIPEMENTS ET MATERIELS UTILISES	
Adresses Plateformes	https://iomp-courses.univ-setif.dz/
Noms Applications (Web, réseau local)	Web
Polycopiés	PDF
Matériels de laboratoires	Lens prism telescopic sight abbe's refractometer apertures
Matériels de protection	None
Matériels de sorties sur le terrain	None

LES ATTENTES	
Attendues des étudiants (Participation-implication)	Mastering the basics of geometrical optics Mastering the working principles of the instrument understanding the formation constructions
Attentes de l'enseignant	Mastering the basics of geometrical optics Mastering the working principles of the instrument understanding the formation constructions

BIBLIOGRAPHIE	
Livres et ressources numériques	Book geometrical optics rappel et cours et exercic Course d'optique géométrique Anne Laure Optique cours et problèmes, Série Schaum, 4ème ed
Articles	
Polycopiés	files pdf du cours
Sites Web	Every single website rely to the subject

Cachet humide du département

DESCRIPTIF DU COURS	
Objectif	The student will have a general view of the basics of statistics
Type Unité Enseignement	Fondamental
Contenu succinct	
Crédits de la matière	03
Coefficient de la matière	2
Pondération Participation	
Pondération Assiduité	
Calcul Moyenne C.C	
Compétences visées	

EVALUATION DES CONTROLES CONTINUS DE CONNAISSANCES							
PREMIER CONTROLE DE CONNAISSANCES							
Jour	Séance	Durée	Type (1)	Doc autorisé (Oui, Non)	Barème	Echange après évaluation (date Consult. copie)	Critères évaluation (2)
COURSE	C	30MIN		Non	/20	05/02/2023	
DEUXIEME CONTROLE DE CONNAISSANCES							
Jour	Séance	Durée	Type (1)	Doc autorisé (Oui, Non)	Barème	Echange après évaluation (date consultation copies)	Critères évaluation (2)
COURSE	C	30MIN		NON	/20	05/02/2023	

(1) Type : E=écrit, EI=exposé individuel, EC=exposé en classe, EX=expérimentation, QCM

(2) Critères évaluation : A=Analyse, S=synthèse, AR=argumentation, D=démarche, R=résultats

EQUIPEMENTS ET MATERIELS UTILISES	
Adresses Plateformes	https://iomp-courses.univ-setif.dz/
Noms Applications (Web, réseau local)	WEB
Polycopiés	PDF
Matériels de laboratoires	none
Matériels de protection	none
Matériels de sorties sur le terrain	none

LES ATTENTES	
Attendues des étudiants (Participation-implication)	basic knowledge of probability theory and notions of statistics
Attentes de l'enseignant	Mastery of probability calculation

BIBLIOGRAPHIE	
Livres et ressources numériques	Livres et photocopiés, sites internet, etc
Articles	www-ljk.imag.fr/membres/Anatoli_louditski/cours/proba-l3mai/poly.pdf rfv.insa-lyon.fr/~jolion/PS/poly_stat.pdf
Photocopiés	fichiers pdf du cours
Sites Web	all web sites in relations with the subject of this course

Cachet humide du département

Name EES : IOMP, University of Ferhat Abaas , Setif 1
 Department : Mechanics

Syllabus of matter

Materials strength

Master class teacher		OUAKDI ELHADJ			
		Reception of students per week			
Email	euakdi@yahoo.fr	Day	Sunday	Hour	12h30
Tel of Office		Day		Hour	
Tel of secretariat		Day		Hour	
Other		Building	Building II	Office	S15

Directed works

Reception of students per week

First and last names of teachers	Office/room Of reception	Session 1		Session 2		Session 3	
		Day	Hour	Day	Hour	Day	Hour
OUAKDI ELHADJ	S15	Tuesday	14h				

Practical works

Reception of students per week

First and last names of teachers	Office/room Of reception	Session 1		Session 2		Session 23	
		Day	Hour	Day	Hour	Day	Hour

COURSE DESCRIPTION	
Objectif	giving laws of mechanics to students studying the strength of mechanical systems
type of teaching Unit	U. E. Methodology 2.1
Short content	Study of the different mechanical stresses
Credits of matter	3
Coefficient of matter	2
Participation weighting	7
Attendance weighting	3
Calculation Average CC	20
Targeted skills	the student will have the opportunity to calculate and giving the size of the different elements during the design of the mechanical systems

EVALUATION OF CONTINUOUS KNOWLEDGE CHECKS							
FIRST KNOWLEDGE CHECK							
Day	Session	Duration	Type (1)	Doc. Authorized (Yes, No)	Marking scheme	Consultation date of copies	Evaluation criteria (2)
24/01/23	1	1h30	W	NO	20/20	09/02/2023	R
SECOND KNOWLEDGE CHECK							
Day	Session	Duration	Type (1)	Doc. Authorized (Yes, No)	Marking scheme	Consultation date of copies	Evaluation criteria (2)

(1) Type: **W**: Writing, **IP**: Individual presentation, **PR**: presentation in room, **EX**: experimentation, **QCM**

(2) Evaluation criteria: **A**: Analysis, **S**: Synthesis, **AR**: Argument, **S**: Steps. **R**: Results

EQUIPMENT AND MATERIALS USED	
Platform addresses	https://iomp.univ-setif.dz/ https://progres.mesrs.dz/webfve/login.xhtml
Application names (WEB, local network)	https://iomp-courses.univ-setif.dz/login/index.php
Polycop.	
Laboratory materials	
Protective materials	
Field trip materials	

EXPECTATIONS	
Student expectations (participation, involvement)	The students participate well in the TD sessions. They also contribute in the planned tasks at home
Teacher expectations	good assimilation of the studied program

BIBLIOGRAPHY	
Books and digital resources	1-Méc. des matériaux, Charles Massonnet 1986 2- Résistance des matériaux, Z. Harichane, 2015 3-Résistance des matériaux, K. Hadjazi, 2013-14
Published paper	
Handouts	
Web sites	https://www.univ-biskra.dz/enseignant/bensaada/RDM

<u>Stamp of department</u>
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Name EES : Institute of Optics and Precision Mechanics/ Ferhat Abbas Setif University
 Department : Mechanics

Syllabus of matter
Metallic materials technology

Master class teacher		TEBBANE SAMIR			
		Reception of students per week			
Email	samir.tebbane@univ-setif.dz	Day:	Wednesday	Hour:	9:30a.m.
Office phone		Day:		Hour:	
Secretariat phone		Day:		Hour:	
Other	0773638103	Building:	Department	Office:	S15

Directed works							
(Reception of students per week)							
First and last names of teachers	Office/reception room	Session 1		Session 2		Session 3	
		Day	Hour	Day	Hour	Day	Hour

PRACTICAL WORKS							
(Reception of students per week)							
First and last names of teachers	Office/reception room	Session 1		Session 2		Session 3	
		Day	Hour	Day	Hour	Day	Hour
TEBBANE SAMIR	Materials Laboratory	Sunday	9:30a.m.				
BOURAHLI ELHADI	Materials Laboratory	Sunday	9:30a.m.				

COURSE DESCRIPTION	
Objective	to know the different industrial metallic materials: their structures, their properties.
Type of unit Teaching	Methodological teaching unit
Short content	Nature of metallic materials, processing of metallic materials, phase diagrams, thermal and thermochemical treatments, structure of metals, mechanical and physical properties of metals and degradation of metallic materials.
Credits of matter	3
Coefficient of matter	2
Participation weighting	
Attendance weighting	
Calculation of average C.C	
Targeted skills	To know the different families of ferrous and non-ferrous materials used in different branches of manufacturing products, the means of measuring the characteristics, the processes of elaboration and implementation of different types of metals.

EVALUATION OF THE CONTINUOUS TESTS OF KNOWLEDGE							
FIRST KNOWLEDGE TEST							
Day	Session	Duration	Type (1)	Doc. Authorized (Yes, No)	Marking scheme	Consultation date of copies	Evaluation criteria

EVALUATION OF THE CONTINUOUS TESTS OF KNOWLEDGE							
SECOND KNOWLEDGE TEST							
Day	Session	Duration	Type (1)	Doc. Authorized (Yes, No)	Marking scheme	Consultation date of copies	Evaluation criteria

EQUIPMENT AND MATERIALS USED	
Addresses Platforms	https://iomp.univ-setif.dz/ https://iomp-courses.univ-setif.dz/
Application names (WEB, local network)	Web
Photocopies	Available on site as a PDF file
Laboratory materials	Mechanical characterization equipment: Mechanical testing machine, heat treatment furnaces for metals, microdurometer
Protection Materials	
Field trip materials	

EXPECTATIONS	
Student expectations (participation, involvement)	Acquire the fundamental concepts: properties, synthesis and applications of metallic materials.
Teacher expectations	Good understanding and assimilation of the lessons offered to the student.

BIBLIOGRAPHY	
Books and digital resources	Ashby & Jones, Matériaux (1&2), Ed. Dunod, 1991 Science et Génie des Matériaux, Ed. Dunod, 2001 Des Matériaux, Ed. Presses Internationales Polytec
Article published	
Handouts	Pdf files of the course
Web sites	All the websites related to the the subject of the course.

Damp stamp of the department