

Universidad Juárez del Estado de Durango

Facultad de Ciencias Forestales

Learning Unit Programme

CIENCIAS FORESTALE

With an integral professional competences approach

	2. Code			
	6796			
	5. Level			
	bachelor's degree			
Course		Х	Attendance	
Course-wor	kshop		Non-attendance	X
Workshop			Mixed	
Seminar				
Laboratory,	field practice, etc.			
Professiona	I Practice			
Academic St	tay			
	Course Course Course-wor Workshop Seminar Laboratory, Professiona Academic St	2. Code 6796 5. Level bachelor's degree bachelor's degree Course Course-workshop Workshop Seminar Laboratory, field practice, etc. Professional Practice Academic Stay	2. Code 6796 5. Level bachelor's degree bachelor's degree X Course X Course-workshop I Workshop I Seminar I Laboratory, field practice, etc. Professional Practice Academic Stay I	2. Code 6796 5. Level bachelor's degree bachelor's degree Course X Attendance Course-workshop Non-attendance Workshop Mixed Seminar Image: Course of the second seco

10. Theory hours	Practice hours	Independent study hours	Total hours	Credits
6	0	0	6	6
11. Names of the teachers who participated in the development and/or modification of the programme				
Psic. Ana Alejandra Ontiveros Gutiérrez/Dra. Leticia Pesqueira Leal/Lic. Dora Isela Espino Vázquez				
12. Date of development		Date of modification	Date of approval	
August 2008		December 2011	January 2013	3
		October 6th 2017	October 12tl	า 2017

II. LEARNING UNIT SPECIFIC DATA			
13. Presentation	13. Presentation		
It is important to suppor	t the first-semester students so that they know different learning strategies that will be useful throughout their		
professional training.			
These strategies will allo	w them to build their learning significantly through the reading processes, reasoning, critical understanding, memory,		
problem solving, creativi	ity, oral and written argumentation, at the same time, you will be able to order and develop your thinking by activating		
your basic cognitive proc	cesses (attention, analogy, classification, inference, motivation). The module emphasizes the need for the students to		
develop their ability to le	earn autonomously and that this allows them to access the courses of the curriculum through a gradual approach to		
their professional field.			
14. Integral professiona	l competences to develop in the student		
	Instrumental		
	18 Capability for analysis and synthesis		
	19 Capability for oral and written communication		
	21 Capability for information management		
	22 Problem solving		
Generic competences	23 Decision making		
	Personal		
	24 Teamwork		
	25 Ethical commitment and quality		
	Systemic		
	26 Motivation for quality		
	27 Ability to apply theoretical knowledge in practice		

	28 Ability t	28 Ability to communicate with non-experts in the field		
	Disciplines	Disciplines		
	Basic general knowledge of environmental engineering o			
	Ability to deal with	multidisciplinary environmental problems or		
	Management of Ge	ographic Information Systems		
Professional	Management of sta	Management of statistical programs Professionals (know-how)		
competences	Professionals (k			
	Design and applicat	ion of sustainability indicators		
	Preparation, manag	gement, monitoring and control of environmental p	projects	
	Identification and v	aluation of environmental costs		
	Design and execut	tion of environmental education and communi	cation programs	
	This subject propos	This subject proposes to develop skills in students that allow the use of critical thinking as an intercultural competence that		
General nurnose of th	allows understandi	ng reality through activities of linking at different	levels of social organization:	individual, Family, university
	and community. Th	e units of which it is composed are aimed at ensu	ring that young people recogn	ize the existence of different
course	types of knowledge	types of knowledge and develop skills for critical thinking, based on metacognition as a condition of critical thinking for the		
	understanding of t	understanding of the world from the everyday life of the subject.		
15. Joint of axes				
Transversal, the use of co	gnitive and metacogni	tive strategies is promoted, through the competen	ces approach, which allows the	e student to understand
and integrate the basic c	oncepts for the develop	pment of thinking skills (theoretical axis), transfere	nce and transversally of the ba	sic, analytical and creative
thinking skills to their int	er and transcultural en	vironment, through analysis, reflection, self-evalua	tion, individual and group meta	acognition (heuristic axis) in
a framework of openness, respect, self-criticism and autonomy (axiological axis).				
16. development of th	e course			
Module 1	Basic Concepts			
Intended learning	Learning contents	Learning product(s)	Stratogios	Teaching resources and
intended learning	Leaning contents			materials

The basic concepts of intelligence will be	Topic 1.0	Virtual platform	Management of the Moodle platform, providing the spaces in order to identify the works in, forums, online tasks and questionnaires	 Virtual classroom Essential management (Moodle Platform) Internet connection
in a personal way their intellectual coefficient, where they can question and self-question their experiences applying the best way that they can learn more easily about a topic that interests them, through different methods of thinking skills basic and	Topic 1.1 Basic Concepts Topic 1.2 History of the study of intelligence	 ✓ What is intelligence ✓ Video about intelligence ✓ Calculate your IQ 	That the student will carry out an exercise of reinforcement, in which he / she is interested in the subject, exploring a world of knowledge through experiences or customs A game will be processed through an essay which must contain at least one anecdote of his life in which he realized that the intelligence increased and why, using photographs and images of interest	Computer centre Virtual classroom - Necessary management (Moodle Platform) - Lectures of support - Tasks - Videos Forums - Questionnaires - Internet connection - Audio and video files - Internet information - Computer equipment and peripherals
creative, constantly	Topic 1.3 Brain hemispheres	 ✓ History of the study of intelligence ✓ The most intelligent men in History ✓ Consume fatty acids 	the functionality of the mind is put into practice Solving a problem which is the way in which we realize that we think about a solution and therefore we	

	Topic 1.4 Thinking skills	 ✓ Ability to think ✓ Levels of information processing ✓ Pyramid of thought 	apply intelligence, applying the knowledge learned will start to research on "Mozart Effect" and comment on the forum (free)	
Module 2	Basic process			
Intended learning	Learning contents	Learning product(s)	Strategies	Teaching resources and materials
Use of techniques for the identification of central ideas, continuing with the reading, synthesis and individual and group interpretation through the participation of forums, apply what has been learned in the recommended exercises,	Topic 2.1 Basic Thoughts Process 01	Exercise	In this process we will put into practice the ability of observance and similarity since it is the first step in the thought process, observing correctly assures you the understanding of all the factors	Computer centre - Virtual classroom - Essential management (Moodle Platform) - Readings of support - Tasks - Videos - Forums - Questionnaires - Internet connection - Audio and video files
perform logical analysis techniques, - Put into practice the use of techniques for Identification of central ideas	Topic 2.2 Basic processes 02	Exercise 2 Critical thinking	Through the support material are given to the task of reading, reason and make a comparison between two things and relate them in order to	Internet information - Computer equipment and peripherals

with knowledge, experiences and evidence of transfer of learning	Topic 2.3 Basic Process 03	Exercise how to propose a hypothesis? Entertainment: Optical illusions	exercise and practice in everyday life the way of practical learning to each individual The student will work on how to propose a hypothesis using the methods that are most practical and can develop in the most natural way, in order to apply them in their professional training	
Module 3	Critical thinking			
Intended learning	Learning contents	Learning product(s)	Strategies	Teaching resources and materials
Structure according to the rules of the organizer in questions,			The student will use the analysis of the approaches of his or her thoughts, applying a critique or	 Computer centre Virtual classroom Essential management

program.	Topic 3.2 Creative thinking	 ✓ Creativity ✓ Test of creativity 	The student will apply his creativity through his elements and support material, elaborating a story with drawings and coherent dialogues in different stories	 Internet connection Audio and video files Internet information Computer equipment and peripherals
	Topic 3.3 Intelligence and emotions	 ✓ Intelligence and emotions ✓ Intelligence and emotions Test ✓ Emotional ecology ✓ Entertainment: We are mutants 	They will investigate what are the positive and emotions, shaped in a generic way by means of reinforcement works within the forum	
17. Performance asses	sment:			
Performance evidence	a(s)	Performance criteria	Application scopes	nercentage

Performance evidence(s)	Performance criteria	Application scopes	percentage
In the course:	Works elaborated with the	Institutional	Formative evaluation 50%
1Works in Word of the	requested characteristics		Summative evaluation 20%
material available in	- Congruence in work		Self-evaluation 10%
platform.	- Quality in its presentation		Co-evaluation 10%
2 Online work (Moodle	- Temporary work delivery		Heteroevaluation 10%
platform of the UJED)			
3 Printing of the different			
published research.			
4 Examinations of			

knowledge and	skills			
developed in the course.				
5Evaluations and survey	ys.			
18. Evaluation criteria:	:			
Criterion	Value			
Formative Evaluation	50% Responsibility, commitment, tolerance, ethics, values			
	10% The student values their performance, compares it with the established	ed and determines what ob	jectives met	
	10% Students value their neers and apply the values of respect tolerance a	and honesty		
	10% Students value the work of the teacher and the teacher in turn values t	the students		
Summative	20% The development and presentation of the products.			
evaluation				
Criteria summation	100% (The criteria implemented in subjects of virtual modality, are different from what is present			
19. accreditation				
In accordance with unive	In accordance with university regulations, in order to be accredited, the following is required:			
1) The minimum score of	t 6 (six). 			
2) Show evidences of the	e evaluation process that implies being evaluated in the Moodle platform of the	ne UJED. verage, considering the pa	rtial avaluations	
3) To exempt, the studer	ac	verage, considering the pa		
20. Information source				
Basic	- Longoria / Cantú / Ruiz. (2000). Creative thinking. Autonomous Univ	versity of Nuevo León, Co	ol. Est.: Trillas.	
	- Marcela E. Hinojosa Mora and Luis Fernando Reyes Terán. (2010). C	Creative Thinking Teache	r's Book. Mexico: Trillas.	
	- Charur, Zarzar Carlos. (2014). Basic Thinking Skills. Mexico City Edito	orial Group Patria		
	- López, M. (2000), Critical Thinking [Paraphrase]. In critical thinking a	and creativity in the class	sroom (pp.51-52).	
	Mexico: Trillas			
	- Morales, M. (2016). "Critical thinking for problem solving". Mexico:	Universidad Veracruzan	a.	

Complementary	 Ramos, P. (2011) "The Table of order in thought as a tool for reading Argumentative text", in Ergo, Nueva Época, No. 27, September. Mexico: Universidad Veracruzana. Pp. 15-50. Vega, L. (2015) Introduction to the theory of argumentation: problems and perspectives. Spain: Palestra SUGGESTED INTERNET SITES http://www.psicoactiva.com/tests/testci.htm#inicio 			
	http://www.dgb.sep.gob.mx/informacion_academica/actividadesparaescolares/multimedia/manual.ntml			
21. Profile for the teac	21. Profile for the teacher who imparts this learning unit			
The professor who works	The professor who works as a facilitator of this course in the virtual modality must:			
1. Have a Bachelor's, mas	ster's and / or doctorate degree			
2. Have the corresponding	ng disciplinary training that allows him to perform satisfactorily in this subject.			
3. Have the pedagogical a	and design training in online courses that allows you to properly develop this activity			
4. Participate in basic tra	ining programs and ongoing training that allows their growth as a content designer for online courses.			
5. Participate in research	projects related e-learning.			
Also have previous exper	iences in:			
1. Design and developme	ent of courses in Educational Technologies.			
2. Instructional design m	ediated by technologies.			
3. Tutoring for distance students.				
4. The evaluation in virtu	4. The evaluation in virtual learning.			
5. The use of technologic	al means for teaching and learning.			
6. Design and developme	ent of teaching and learning strategies			
7. Have certification in co	ompetences.			