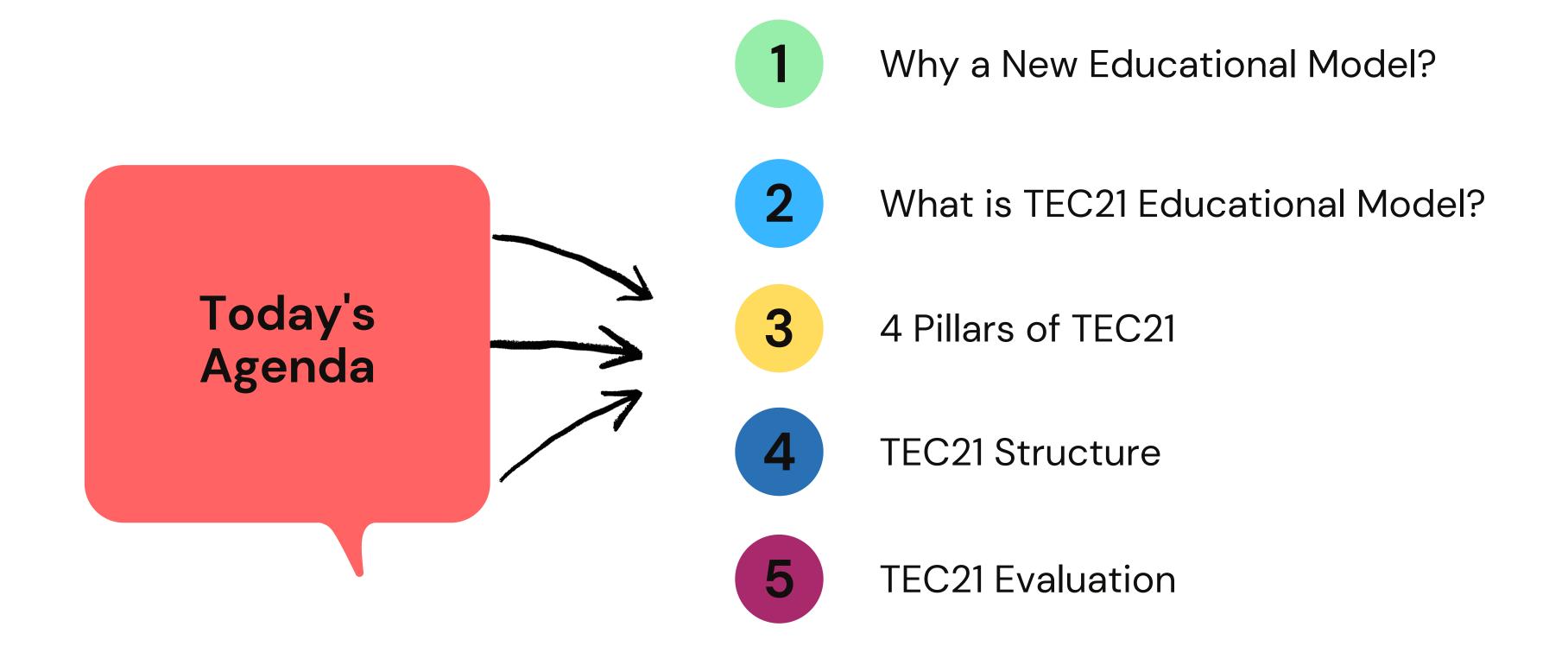
NEW EDUCATIONAL MODEL TEC21



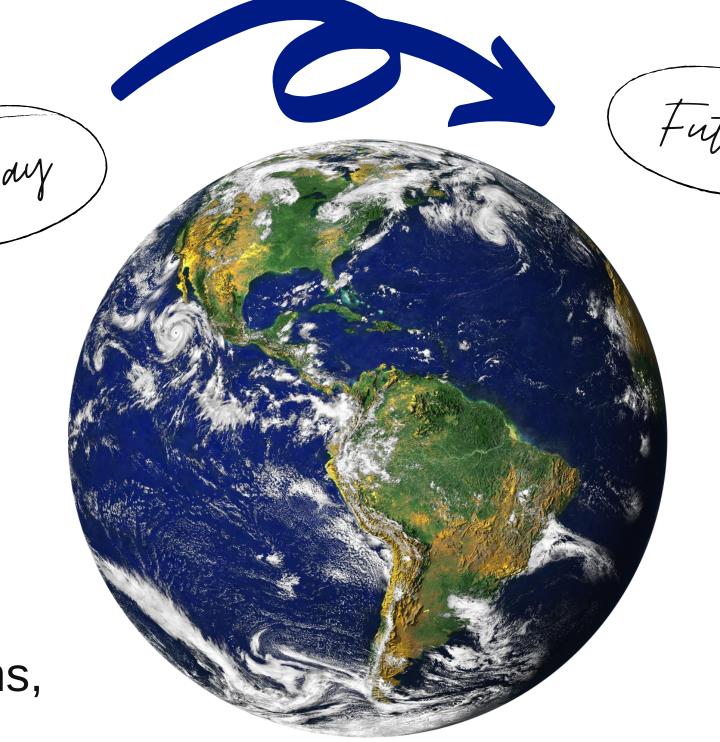


Why a New Educational Model?

World rapidly changing

Easy and cheap access to online learning

- Student's new profile
 - Creative
 - Autodidactic
 - Questioning traditional paradigms, requiring meaningful learning
 - In need of a transformative experience



TEC21 MODEL will enable students to perform jobs of the future and tackle the new challenges of tomorrow

What is TEC21 EDUCATIONAL MODEL?



Click in Tec's logo to watch a video of our new educational model

What is TEC21 EDUCATIONAL MODEL?

A challenge-based educational model which develops competencies that will enable students to face up the opportunities and challenges of the 21st century creatively and strategically.

What are Competencies?

Competencies are defined as the conscious integration of knowledge, skills, attitudes and values that allow to successfully face both structured and uncertain situations.

Types of Competencies

Disciplinary Competencies

Disciplinary competencies refer to all those knowledge, skills, attitudes and values that are considered necessary for professional practice.

Transversal Competencies

Transversal competencies are developed throughout the training process of any discipline; they are useful for the life of the graduate and have a direct impact on the quality of the exercise of the profession

Transversal Competencies

These are competencies for life that are embedded across all disciplines.

Self-knowledge and management, which involves getting to know yourself and developing your wellbeing project, integrating your emotional and intellectual resources.

Innovative entrepreneurship, to generate innovative solutions that will create value for society.

Social intelligence, to generate effective collaboration and negotiation environments in multicultural contexts, appreciating and respecting diversity of knowledge and people.

Commitment to ethics and citizenship, to implement projects for environmental transformation and the common good.

Reasoning for complexity, to allow the analysis, synthesis and solution of problems.

Communication, to relate effectively using diverse context-appropriate languages, resources and strategies.

Digital transformation, to address professional issues by incorporating cutting-edge digital technologies.

Competencies that would make each student unique!

4 Pillars of TEC21



Challenge Based Learning



Inspiring Professors



Flexibility and Customization



Memorable Experience



What is a Challenge?

A challenge is an experiential experience designed to expose the student to a challenging situation in the environment to achieve specific learning objectives.

Students will solve the challenges with a set of personal and technological resources and tools, and the advice of faculty, who would accompany them throughout the process.

It is based on Experiential Learning whose principle is that students learn better when they actively participate in open learning experiences, instead of passively intervening in structured activities

The added value of TEC21 is that its challenges are linked with a real formative partner.



Flexibility and Customization

TEC21 offers the student meaningful choices in the process of professional formation in the areas of what, how, when and where of their professional training process. These elements are reflected in the curriculum and learning experiences.

The student will be able to start their university studies by choosing a disciplinary area, thus from the first semester, they will explore their profession and aspects of other careers, with the intention that they have the possibility of evaluating various alternatives before making a final decision.



Inspiring Professors

Adviser

Accompany, advise and monitor students in the process of solving the challenge



Guides, advises and accompanies students throughout their career

Lecturer

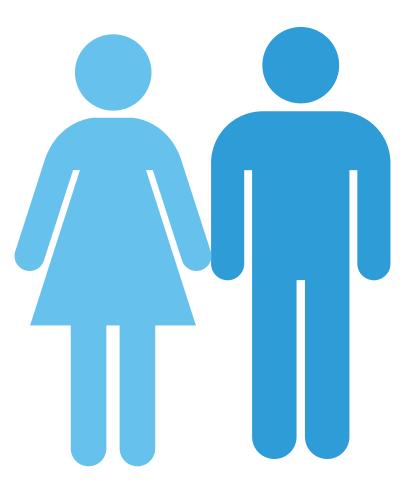
Designs and imparts technical and practical content needed to resolve a challenge



Designs, plans and documents the challenges throughout the student training process

Evaluator

Organizes and implements the different processes for assessing student learning, which should allow certification of the development of competencies

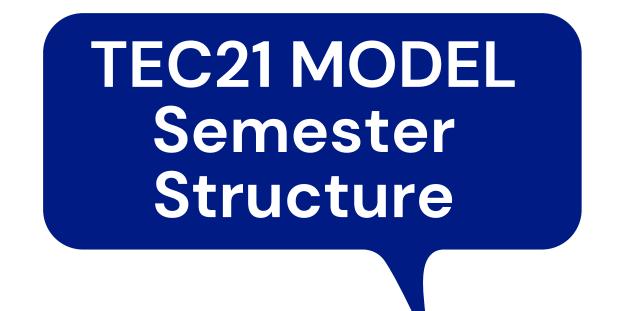


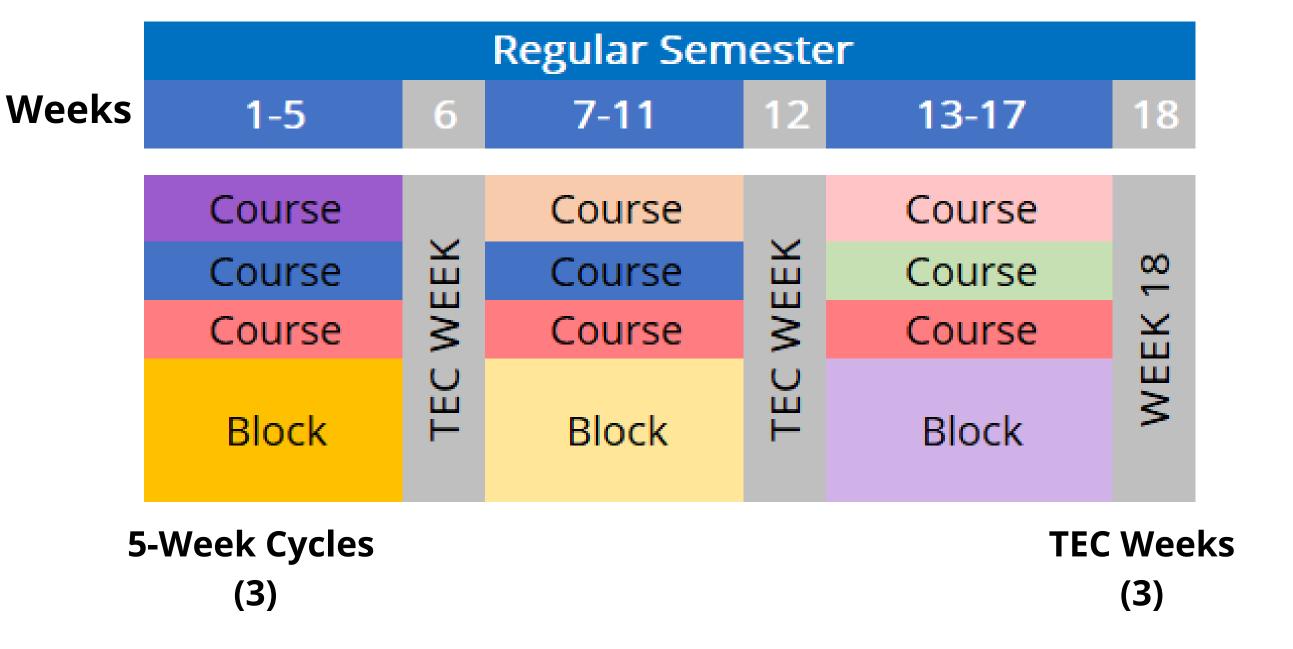


Co-curricular programs contribute to form part of student's growth experience that fosters the comprehensive training of students and the achievement of memorable college life.

Students can participate in these activities voluntarily, or in a structured way, during their courses or in TEC Weeks







Educational Units:

- Courses: Traditional courses that can last 5, 10 or 15 weeks
- Blocks: Contains challenges connected to reality + theoretical modules
- **TEC Weeks:** Specifically aimed at developing transversal competencies also known as competencies "for life". In addition, during Week 18, degree-seeking students will receive feedback on their progress in their development, this reflection will allow the students to adjust their goals.

TEC21 MODEL Semester Structure

CL Indicates the number of class hours per week.

A Indicates the number of sessions of supervised learning activities or laboratory hours per week.

SH Represents the number of study hours outside the classroom

CA Represents the number of semester credit hours of the course.

		Courses	Week 1 - 5	Week 7-11	Week 13-17	CL	Α	SH	CA
	Code	Description							
	EM1009	Business Model Innovation	5 Weeks			3	1	4	1
	RH1004	Talent Management Process	5 Weeks			3	1	4	1
es	EH1013	Cultural Heritage of Mexico		15 Weeks		3	1	4	3
Cours	AD1016	Business communication		5 Weeks		3	1	4	1
ပိ	CD1005	Statistics for business		5 Weeks		3	1	4	1
	CD1004	Decision Support Analysis			5 Weeks	3	1	4	1
	D1029	Business Law			5 Weeks	3	1	4	1
ks	EM1001 B	Creating Prototypes	5 Weeks			9	3	12	3
ВІос	MT1001 B	Marketing Insight to Develop Strategies		5 Weeks		9	3	12	3
B-E	CF1001 B	Financial Management			5 Weeks	9	3	12	3

15

Class Hours (CL) +

5



20



1

Supervised
Learning Activity
Hours (In the
Classroom)

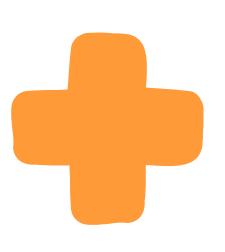
(A)

Study Hours (Outside the Classroom) (SH)

TEC Credit (CA)

Evaluation at TEC21

Evidence of the Evaluation of Sub
Competencies
(Transversal + Disciplinary)



Traditional Learning Activities

Final Grade of Course or Block

50% or more

50% or less

100%

Example: Marketing insights for strategy development MT100B

Evidences	Sub-Competencies	Evaluation Criteria	% Grade	
Empathy map, including consumer insights and user	Representation and visualization levels A and B. (Competence: Business intelligence)	Data representation in guided business cases.Descriptive visualization with computing aids, Effective visual presentations.50% Dynamic reports and digital graphics in stimulating business. Predictive visualizations. 50%	30%	
persona of the market segment identified	Marketing intelligence, level A. (Competence: Markets and Business Opportunities)	Identification of market needs. Formulating research questions. The distinction in the different secondary research techniques. 51% Recognition of information analysis patterns. Obtaining and analyzing secondary information 49%	30 /0	
Basic Marketing Plan	Marketing Plan, level A. (Competence: Markets and Business Opportunities)	Basic marketing plan design (34%) Measurement variable description (33%) Identification of strengths and weaknesses (33%)	30%	
	I nnovation, level A (Competence: Innovative entrepreneurship)	Opportunity detection. Creative solution 50% Prototype development. Prospective analysis 50%		
Traditional Academic Activities	es	Activities, Assignments, Cases, Exams	40%	
		Final Grade	100%	

INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY



Campus Toluca

La Dirección de Servicios Escolares del Instituto Tecnológico y de Estudios Superiores de Monterrey del campus o de la entidad que se indica, certifica que el alumno cuyo nombre aparece en este documento aprobó, en los periodos escolares indicades, las materias que abejo se enumeras.

Este certificado es válido y original inicamente si lleva el sello melado del Instituto y las firmas de las autoridades correspondientes, registradas ante la Secretaria de Educación Pública.

Los estudios amparados por este certificado tienen validas oficial en todo el país, de acuerdo con el Decreto Presidencial del 24 de julio de 1932, publicado en el Diario Oficial de la Federación el 12 de septiembre de 1932 y el Acuerdo No. 3438 expedido por el Secretario de Educación Pública el 28 de febrero de 1974 y publicado en el Diario Oficial de la Federación el 6 de la Receitario de Educación Pública el 28 de febrero de 1974 y publicado en el Diario Oficial de la Federación de Interesidades del Secretario de Educación por la Comisión de Universidades de la Asociación de Escuelas y Universidades del Sur de Estudos Unidos para otorgar títulos profesionales y grados académicos de maestria y doctorado.

Comuniquese con la Comisión de Universidades en la dirección 1866 Southern Lane, Decatur, Georgia 30035-4097, o llame al (+1) 44-679-4300, para programas abere la acreditación del Tecnológico de Monterrey.

Los cursos se desarrollan en semestres de 18 semenas o en cursos intensivos con duración de 5 semenas. Los semestres se inician en agosto y en febrero. Los cursos intensivos se briclas en junto y septiembre. La escala de calificaciones es de 1 a 100. La calificación minima para aprobar un curso es 70.

Nombre del Alumno	Diego	

INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY

01-Jun-2021

DIRECCIÓN DE SERVICIOS ESCOLARES

Fecha	31	de	Mayo	de	2021	Número de matrícula

Este certificado se espidió en Toluca, Estado de México

Luis Alberto Dopez Monreal

Este certificado ampara estudios de <u>AROUITECTO</u>

I	Nombre del curso	Calificación	Criditos	Nombre del curso	Calificación	Créditor
	Agosto - Diciembre 2019			La conceptualización del		
	Metodologías de			espacio, su teoría y su		
	investigación para proyectos			historia	92	3
	de diseño	86	6	Representación de la		
	Optativa de matemáticas y			arquitectura y su		
	ciencias (Fundamentación de			construcción	90	3
	sistemas biológicos)	83	3	Tópico de exploración (Tenso		
New Year	Métodos de diseño	95	6	estructura)	95	3
a.	Febrero - Junio 2020			Febrero - Junio 2021		
8	Creatividad y diseño	94	9	Arquitectura y contextos	95	4
ě	Técnicas de representación					
and the	espacial y de imagen	93	9	Este es un certificado		
2	Optativa de humanidades y			parcial y ampara 12 (doce)		
4//	bellas artes (Patrimonio			Unidades de formación del		
ğ.	cultural de México)	92	3	plan de estudios de		
2	Agosto - Diciembre 2020			Arquitecto (Plan 2019).		
ġ.	Optativa de liderazgo,					
1	emprendimiento e innovación					
	(Emprendimiento e					
	innovación)	80	3			
	Diseño y construcción de un					
	hábitat efímero	70	6			
	AL FRENTE					

Página 1 de 1

Evaluation at TEC21

Transcript

Thank you!



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