UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO
PROGRAMA DE POSGRADO EN CIENCIAS DE LA SOSTENIBILIDAD
MAESTRIA EN CIENCIAS DE LA SOSTENIBILIDAD
Programa de actividad académica

Denominación:
EVALUACIONES DE SOSTENIBILIDAD EN ÁMBITOS RURALES Y URBANOS

Clave: 73847	**Semestre:** 3º	**Campo de conocimiento:** Ninguno	**No. Créditos:** 8

Carácter: Optativo	**Horas a la semana**		**Total de horas por semana**	**Total de horas al semestre**
Tipo: Teórico-práctico	**Teoría:**	**Práctica:**		
	2	2	4	64
Modalidad: Curso	**Duración del programa:** Semestral			

Seriación: **No ( )** **Si (X)** **Obligatoria (X)** **Indicativa ( )**
Actividad académica subsecuente: Ninguna
Actividades académicas antecedentes: Principios de Sostenibilidad, Herramientas Analíticas en las Ciencias de la Sostenibilidad y Herramientas para la Investigación Transdisciplinaria

Objetivo general:
El alumno conocerá las bases teóricas y metodológicas de las evaluaciones de sostenibilidad, comprenderá la relevancia del rigor técnico y científico que demanda la solución de los problemas complejos y perversos, y será capaz de trabajar en equipos interdisciplinarios.

Objetivos específicos:
1. Relacionar las bases teóricas de las ciencias de la sostenibilidad con los métodos que se aplican en las evaluaciones de sostenibilidad.
2. Desarrollar el pensamiento crítico con respecto a cómo se aplican los diferentes métodos de análisis en las evaluaciones de sostenibilidad, cumpliendo con el postulado de pluralismo epistemológico de la sostenibilidad.
3. Desarrollar un ejercicio práctico.
4. Identificar las áreas de especialización y los distintos papeles de especialistas en un equipo interdisciplinario.

Índice temático

Unidad	**Unidades temáticas**	**Horas**	
		Teóricas	**Prácticas**
1	Fundamentos de las evaluaciones de sostenibilidad	4	2

2	Problemas complejos y perversos	6	2
3	Orientaciones éticas en la evaluación de sostenibilidad	6	2
4	Métodos y caso práctico	14	22
5	Integración y síntesis	2	4
	Total de horas:	32	32
	Suma total de horas:	64	

Unidad	Contenido Temático
1	Fundamentos de las evaluaciones de sostenibilidad • Preceptos de la sostenibilidad aplicados en las evaluaciones de sostenibilidad • Percepciones y conflictos • Diferencias entre las ciencias y las evaluaciones de la sostenibilidad • Marco legal en México • Narrativas • Ontologías y dimensiones ontológicas
2	Problemas complejos y perversos • Complejidad y consecuencias • Incertidumbre • Gobernanza • Características de un problema de sostenibilidad • Sistemas socioecológicos • Soluciones, conducción y tránsito a la sostenibilidad
3	Orientaciones éticas en la evaluación de sostenibilidad • Valores y moralidad • Razones apodícticas • Consecuencias, deberes y virtudes • Holismo y relacionismo • Postulados de la ciencia postnormal, neopragmatismo y racionalismo crítico
4	Métodos y caso práctico • Modelación multicriterio • Modelos de sistemas • Simulación de Monte Carlo • Caso práctico: Pesca costera demersal y conservación de tortuga amarilla en el Golfo de Ulloa
5	Integración y síntesis

Bibliografía básica:

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- http://www.sustainableseattle.org/Programs/RegionalIndicators/.
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Sugerencias didácticas:	**Mecanismos de evaluación del aprendizaje de los alumnos:**
Exposición oral ( )	Exámenes parciales ( )
Exposición audiovisual ( )	Examen final escrito ( )
Ejercicios dentro de clase (X)	Trabajos y tareas fuera del aula (X)
Ejercicios fuera del aula (X)	Exposición de seminarios por los alumno (X)
Seminarios (X)	Participación en clase (X)
Lecturas obligatorias (X)	Asistencia ( )
Trabajo de investigación (X)	Seminario ( )
Prácticas de taller o laboratorio ( )	

Prácticas de campo ( ) Otras: _____ ( )	Otras: ( )
Perfil profesiográfico: Grado de maestro o doctor con conocimiento en: teoría de la sostenibilidad, análisis de sistemas complejos y herramientas y técnicas para la toma de decisiones, así como experiencia docente.	