UNIVERSIDAD DE PUERTO RICO

**ADMINISTRACIÓN CENTRAL**

**VICEPRESIDENCIA PARA ASUNTOS ACADÉMICOS E INVESTIGACIÓN**

**SOLICITUD DE REGISTRO Y CODIFICACIÓN DE CURSOS**

**PARTE A**

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| Unidad: | Universidad de Puerto Rico, Mayagüez | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | Facultad: | | | | | | | | | | | | | | | | Artes y Ciencias | | | | | | | | | | | | | | | | | | | | | |
| Departamento: | | | Física | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | Programa: | | | | | | | | | | | | | | | | | Bachillerato en Ciencias Físicas | | | | | | | | | | | | | | | | | | | | |
| Certificación de autorización del programa por: Junta de Síndicos: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | Consejo de Educación Superior: | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | |
| Fecha de solicitud: | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | Fecha de vigencia del curso: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Agosto 2010 | | | | | | | | | | | |
| Título completo en español: | | | | | | | | | | **TÉCNICAS EN LA ENSEÑANZA DE LA FÍSICA** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (Título abreviado a 26 espacios): | | | | | | | | | | | | | | | | **TECS ENSEÑANZA DE FÍSICA** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Título completo en inglés: | | | | | | | | | **TECHNIQUES IN TEACHING PHYSICS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (Título abreviado a 26 espacios): | | | | | | | | | | | | | | | | **TECHS TEACHING PHYSICS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materia principal del curso (en clave alfa): | | | | | | | | | | | | | | | | | | | | | | | **FISI** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nivel del curso (haga marca de cotejo): | | | | | | | | | | | | | | | | | | | | | | | |  | | |  | |  | | |  |  | | |  | |  | |  | **X** | |  |  | | | | |  | | | | | | | | | |  | | | | |  |  | | | | |  | |  | | | | |  | |  | |
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|  | | | | | | | | | | | | | | | | | | | | | | | | Subgraduado | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | Graduado | | | | | | | | | | | | | | | | | | | | | | |
| Curso de continuación: | | | | | | | |  | | | |  | | | | | | | Sí | | | | | | | | | | | | | | | | | | **X** | | | | | | | | No | | | | | | | | | | | | | | | | | | | | | Número de créditos: | | | | | | | | | | | | | | | | | | | | | | **3** | | | | | | |
| Codificación alfanumérica sugerida: | | | | | | | | | | | | | | | | | | FISI 4026 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tipo de créditos: | | | | | **X** | | | | | | | | | Fijo | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | Variable | | | | | | | | | | | | | | | | | | | | |
| Puede repetirse con crédito: | | | | | | | | | | | | |  | | | | | | | | | Sí (máximo de créditos | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | ) | | | **X** | | | | | | | | | | | | | | | | | | | | No | | | | | | | | | | | | |
| Horas semanales de: | | | | | | | | | | | | |
|  | **3** | | | | | Conferencia | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | Laboratorio | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | Tutorías | | | | | | | | | | | |
|  |  | | | | | Discusión | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | Taller | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | Investigación | | | | | | | | | | | |
|  |  | | | | | Seminario | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | Internado | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | Tesis o | | | | | | | | | | | |
|  |  | | | | | Estudio Independiente | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | Práctica Supervisada | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | Disertación | | | | | | | | | | | |
| Modalidad de educación a distancia (si aplica): | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Total de horas a reunirse por período lectivo: | | | | | | | | | | | | | | | | | | | | | | | | | **45** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equivalencia en horas crédito para la tarea del profesor (carga académica): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **3** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Patrón académico en que se ofrece el curso: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | X | | Semestre | | | | | | | | | | | | |  | | | | Trimestre | | | | | | | | | | | | | | | | | |  | | | | | | | Cuatrimestre | | | | | | | | | | | | | | | |  | | | | | | | | | | | Año | | | | | | | | | | | | |  | | | | | Otro | | |
| Secuencia Curricular (C = Cuatrimestre; T = Trimestre; S = Semestre) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Período: | | | | **X** | | S1 | | | | **X** | | | | S2 | | | | |  | | T1 | | | | | | | |  | | | | T2 | | | | |  | | | T3 | | | | | | | | |  | | C1 | | | |  | | | C2 | | | | | | | | |  | | | | | | | C3 | | | | | | |  | | C4 | |  | | | Verano | | |
|  | Año: | | | |  | | 1ero | | | |  | | | | 2do | | | | |  | | 3ero | | | | | | | | **X** | | | | 4to | | | | |  | | | 5to | | | | | | | | |  | | Otro (especifique) | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |

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| Tipo de curso: | | | |
|  | **X** | | Requisito | | | | |  | | | Electivo | | | | |  | Educación Continua | | |
|  |  | | Temporero o Experimental (fecha de inactivación): | | | | | | | | | |  | | | | | | ) | |
| Posibilidad de equivalencia (en la unidad o en otras unidades del sistema): | | | | | | | | | | | | | | | |
|  |  | | Sí | | | | **X** | | | No | | | |
|  | Cursos: |  | | | | | | | | | | | | | | | | | | | |
|  | Unidad(es) que lo ofrece(n): | | | | |  | | | | | | | | | | | | | | | |
| Número de estudiantes por sección: | | | | | **5** | | | | Mínimo | | | **20** | | | Máximo | | |
| Conlleva cargos por laboratorios? | | | | |  | | | | Sí | | | **X** | | | No | | |
| Descripción en español (que no exceda los 1,000 caracteres):  Estudio de las estrategias más efectivas en la enseñanza de la Física teórica y experimental a nivel pre-universitario, así como en técnicas para la solución de problemas. Clasificación y discusión de las confusiones conceptuales más generalizadas en la comprensión e interpretación de principios y leyes de la Física. El curso está diseñado para preparar a los estudiantes para desempeñarse como maestros de Física en la Escuela Superior. | | | | | | | | | | | | | | | | | | | | | |
| Descripción en inglés (que no exceda los 1,000 caracteres):  Study of the most effective strategies for teaching theoretical and experimental Physics at the pre-college level, as well as of problem-solving techniques. Classification and discussion of the most common misconceptions in the comprehension and interpretation of principles and laws of Physics. The course is designed to prepare students to become High School Physics teachers. | | | | | | | | | | | | | | | | | | | | | |

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| Cursos requisitos previos | | | | | | | | Cursos correquisitos | | | | | | | |
| **FISI-4015 y 4016** | | | | | | | | **FISI-4025** | | | | | | | |
| Requisitos especiales para tomar el curso (destrezas, conocimientos, permisos especiales, equipos, materiales, conocimientos del uso de computadoras o programados específicos, otros): | | | | | | | | | | | | | | | |
| Equipo o instalaciones mínimas requeridas: | | | | | | | | | | | | | | | |
| Sistema de calificación: | | | |
|  | X | Letra (A, B, C, D o F ) | | | | |  | | Aprobado (S), No aprobado (NS) | | | |
|  |  | Aprobado (P), No aprobado (NP) | | | | |  | | Aprobado (PS, PN, PB), No aprobado (NP) | | | |
|  |  | Aprobado (P), Fracasado (F) | | | | |  | | Otro (Especifique: | | |  | | ) |
| ¿Comprende contenido temático de otros cursos? | | | | | | | | | | |
|  |  | | Sí | | X | No | | | |
|  | Especifique: Comprende contenidos de los cursos de FISI-3151 a 3154, FISI 4015, 4016, y 4025. La didáctica y metodología de enseñanza que se estudia en el curso propuesto corresponde al contenido temático de estos cursos. | | | | | | | | | | | | | | |
| ¿Se inactivará o eliminará algún curso al crear éste? | | | | | | | | | | |
|  |  | | Sí | | X | No | | | |
|  | Especifique: | | | | | | | | | | | | | | |