

Course Change Request

Date Submitted: 03/08/22 1:59 pm

Viewing: **PHYS 512 : Solid State Physics and Applications**

Last approved: 05/21/21 5:04 am

Last edit: 03/08/22 1:59 pm

Changes proposed by: ebarreto

Catalog Pages referencing this course

[Computational Science and Informatics \(CSI\)](#)

[Department of Computational and Data Sciences](#)

Select modification type:

In Workflow

1. **PHYS GR Committee**
2. **PHYS Chair**
3. **SC Curriculum Committee**
4. SC Associate Dean
5. Assoc Provost-Graduate
6. Registrar-Courses
7. Banner

Approval Path

1. 03/09/22 12:39 pm
Ernest Barreto (ebarreto):
Approved for PHYS GR Committee
2. 03/09/22 12:42 pm
Paul So (paso):
Approved for PHYS Chair

History

1. May 12, 2020 by Johanna Riemen (jriemen)
2. Sep 1, 2020 by Tory Sarro (vsarro)
3. Nov 24, 2020 by Johanna Riemen (jriemen)
4. May 21, 2021 by Tory Sarro (vsarro)

Simple

Substantial

Are you completing this form on someone else's behalf?

No

Effective Term: Fall 2022**Subject Code:** PHYS - Physics**Course Number:** 512**Bundled Courses:****Is this course replacing another course?** No**Equivalent Courses:** CSI 687 - Solid State Physics and Applications**Catalog Title:** Solid State Physics and Applications**Banner Title:** Solid State Phys and Appl**Will section titles vary by semester?** No**Credits:** 3**Schedule Type:** Lecture**Hours of Lecture or Seminar per week:** 3**Repeatable:** May only be taken once for credit (NR)
*GRADUATE ONLY***Default Grade Mode:** Graduate Regular**Recommended Prerequisite(s):**
PHYS 402 or 502**Recommended Corequisite(s):****Required Prerequisite(s) / Corequisite(s) (Updates only):****Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):**

And/Or	(Course/Test Code	Min Grade/Score	Academic Level)	Concurrency?
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And/Or	(Course/Test Code	Min Grade/Score	Academic Level)	Concurrency?
		PHYS 402	C	UG		
Or		PHYS 402	XS	UG		
Or		PHYS 502	B-	GR		
Or		PHYS 502	XS	GR		

**Registration
Restrictions
(Updates only):**

Registrar's Office Use Only - Registration Restrictions:

Field(s) of Study:

Class(es):

Include

Limited to students with a class of Senior Plus (SCRRCLS_ONLY_SP)

Limited to students with a class of Non Degree (SCRRCLS_ONLY_ND)

Limited to students with a class of Advanced to Candidacy. (SCRRCLS_ONLY_DC)

Limited to students with a class of Graduate. (SCRRCLS_ONLY_GR)

Limited to students with a class of Junior Plus (SCRRCLS_ONLY_JP)

Level(s):

Include

Enrollment limited to students with a level of Non-Degree (SCRRLVL_ONLY_ND)

Limited to undergraduate level students. (SCRRLVL_ONLY_UG)

Limited to graduate level students only. (SCRRLVL_ONLY_GR)

Degree(s):

Exclude

Non-Degree Undergraduate Degree students may not enroll. (SCRRDEG_NO_NDU)

School(s):

Catalog

Description:

Crystal structures, binding, lattice vibrations, the free electron model, metals, semiconductors and semiconductor devices, superconductivity, and magnetism.

Justification:

What: Change the required prerequisites to recommended prerequisites.

Why: Graduate students who did not attend GMU have unnecessary trouble registering for this course. We wish to remove this impediment.

Does this course cover material which crosses into another department? No

Learning Outcomes:

Attach Syllabus

Additional Attachments

Specialized Course Categories:

Additional Comments:

Reviewer Comments

Key: 12573