

Course Change Request

Date Submitted: 10/03/20 11:17 pm

Viewing: **PHYS 620 : Continuum Mechanics**

Last edit: 10/19/20 8:59 am

Changes proposed by: prubin

Catalog Pages
referencing this
course

[Department of Physics and Astronomy](#)
[Physics \(PHYS\)](#)

Select modification type:

Substantial

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. 10/04/20 11:18 am
Ernest Barreto (ebarreto):
Approved for PHYS GR Committee
2. 10/04/20 11:46 am
Paul So (paso):
Approved for PHYS Chair

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

No

Effective Term: Spring 2021

Subject Code: PHYS - Physics

Course Number: 620

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title:

Continuum Mechanics

Banner Title: Continuum Mechanics**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):**
None**Recommended Corequisite(s):**
None**Required Prerequisite(s) / Corequisite(s) (Updates only):**
None**Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):**

And/Or	(Course/Test Code	Min Grade/Score	Academic Level)	Concurrency?
		PHYS 510	B-	GR		
And		PHYS 303	C	UG		

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)

Level(s):

Include

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

Limited to undergraduate level students. (SCRRVLV_ONLY_UG)

Limited to graduate level students only. (SCRRVLV_ONLY_GR)

Degree(s):

Exclude

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

School(s):

Catalog

Description:

Study of continuum mechanics; topics include physical concepts, mathematical formulation and solution, elastic materials, ideal fluids, viscous fluids, waves in continuous media, turbulence, thermal convection, stability considerations, high-temperature gas flows, radiative processes for momentum and energy transport, shocks, and computational fluid dynamics.

Justification:

We are removing prerequisites. The course presents the necessary background; requisites are unnecessary.

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

Learning Outcomes:

Attach Syllabus

Additional Attachments

Specialized Course Categories:

Additional Comments:

Reviewer Comments

Gregory Craft (gcraft) (10/19/20 8:59 am): Updated the justification per Philip Rubin's email.

