

University of Washington
CENTER FOR NANOTECHNOLOGY
 Spring Quarter, 2007 Nano-Relevant Courses



Biochemistry -

No designated nanotechnology-relevant courses offered this quarter

Bioengineering

BIOEN 457 ADV MOL BIOEN

Restr [10875](#) A 4 TTh 130-320 STAYTON,P Open 0/25

BIOEN 492 SURFACE ANALYSIS

Restr [10880](#) A 3 WF 1230-150 [MOR](#) 234 RATNER,B Open 0/12 J

BIOEN 555 BIOMECHANICS

Restr [10886](#) A 3 MWF 930-1020 POLLACK,G Open 0/25

BIOEN 592 SURFACE ANALYSIS

Restr [10888](#) A 3 WF 1230-150 [MOR](#) 234 RATNER,B Open 0/12 J

BIOEN 599 SPEC TOPICS BIOENG

[10890](#) F 1 T 1230-120 [BAG](#) 260 CASTNER,D Open 0/25 CR/NC J
 NANOTECHNOLOGY SEMINAR
 Restr [10902](#) T 3 TTh 130-250 OLMSTEAD,M Open 0/25
 FRONTIERS IN NANOTECHNOLOGY

Chemical Engineering

CHEM E 458 SURFACE ANALYSIS

[11581](#) A 3 WF 1230-150 [MOR](#) 234 RATNER,B Open 0/12 J

CHEM E 498 SPECIAL TOPICS

[18483](#) A 3 MWF 1030-1120 [CHL](#) 101 OVERNEY,R Open 0/30
 INTRODUCTION TO MOLECULAR AND
 NANOSCALE PRINCIPLES.

CHEM E 558 SURFACE ANALYSIS

[11598](#) A 3 WF 1230-150 [MOR](#) 234 RATNER,B Open 0/12 J

CHEM E 588 RES APPL MICROBIOL

[11601](#) A 1 Th 400-450 [MEB](#) 250 LIDSTROM,M Open 0/10 CR/NC J
 LIDSTROM LAB MEMBERS ONLY

Chemistry- Nano-relevant for any/all students

CHEM 560 CUR PROB PHYS CHEM

[11554](#) A 1 T 1230-220 [BAG](#) 260 Open 0/25 CR/NC J
 NANOTECHNOLOGY SEMINAR CHEM 560 A
 MEETS WITH BIOEN 599 N LECTURE IS ONLY ONE HOUR, EXTRA TIME IS FOR Q&A
[18148](#) B 3 TTh 130-250 [BAG](#) 261 Open 0/25 CR/NC J Olmstead
 Frontiers in Nanotechnology
[18496](#) C 1 W 1230-120 [PAA](#) A114 Open 0/40E Ginger
 Nanotechnology Student Seminars

Chemistry- For non- Chemistry majors students

CHEM 453 PHYS CHEM BIOC II

(NW)

Prerequisites

[11536](#) A 3 MWF 930-1020 [BAG](#) 261 VARANI,G Open 0/80E
 Th 930-1020 [BAG](#) 261

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CHEM 457 PHYSICAL CHEMISTRY (NW)

Prerequisites

[11538](#) A 3 MWF 930-1020 [BAG](#) 154 Open 0/120E
 Th 930-1020 [BAG](#) 154

Electrical Engineering

E E 527 SOLID-STATE LAB TEC

[12261](#) A 4 MWF 1230-120 [EEB](#) 042 BOHRINGER,K Open 0/ 16
[12262](#) AA LB M 130-420 [EEB](#) B025 Open 0/ 4
[12263](#) AB LB T 130-420 [EEB](#) B025 Open 0/ 4
[12264](#) AC LB W 130-420 [EEB](#) B025 Open 0/ 4
[12265](#) AD LB Th 130-420 [EEB](#) B025 Open 0/ 4

E E 528 PHYSICS VLSI FAB

[12266](#) A 4 MW 1030-1220 [EEB](#) 031 DUNHAM,S Open 0/ 20 J

E E 539 TPCS IN SOLID STATE

Restr [12268](#) A 4 T 230-420 [MGH](#) 248 AMIRPARVIZ Open 0/ 12E
 Th 1200-550 [FLK](#) 216 AMIRPARVIZ
 NANOFABRICATION
 PREREQUISITE: EE502 OR PERMISSION OF INSTRUCTOR

Genome Sciences -

No designated nanotechnology-relevant courses offered this quarter

Material Science and Engineering

MSE 473 NONCRYSTALLINE STATE

Prerequisites

Restr [14961](#) A 4 MWF 1230-120 OHUCHI,F Open 0/ 30
 W 230-520 OHUCHI,F

MSE 486 IC TECHNOLOGY

Prerequisites

[18187](#) A 3 TTh 1230-150 Open 0/ 10 J

MSE 498 SPECIAL TOPICS

>[14966](#) C 3 to be arranged OHUCHI,F 0/ 20
 NANOCLUSTERS, NANOMATERIALS, AND NANOTECHNOLOGY: 2-WEEK INTENSIVE

MSE 550 MAGNETIC MATERIALS

[14973](#) A 3 MW 930-1050 [CDH](#) 141 KRISHNAN,K Open 0/ 20

MSE 560 ELECT/PHOTONIC MTLs

[14974](#) A 3 MW 430-550P [MUE](#) 155 LUSCOMBE,C Open 0/ 20 J

MSE 599 SPEC TPCS MATLS SCI

>[14982](#) B 3 to be arranged OHUCHI,F 0/ 20
 ADD CODE REQUIRED
 NANOCLUSTERS, NANOMATERIALS, AND NANOTECHNOLOGY: A 2-WEEK
 INTENSIVE JIN COURSE.
[14983](#) C 3 MW 930-1050 [PAR](#) 213 [KRISHNAN,K](#) Open 0/ 25
 ADVANCED MAGNETISM AND MAGNETIC MATERIALS

Microbiology –

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Physics

PHYS 428 SEL TOPICS IN PHYS (NW)

[16362](#) A 1-5 TTh 130-250 [FTR](#) 106 [SCHICK,M](#) Open
INTRODUCTION TO BIOPHYSICS: APPLICATION OF CONCEPTS OF PHYSICS TO BIOLOGICAL SYSTEMS.
PREREQUISITES: PHYSICS 121, 122,123, (ELEMENTARY PHYSICS WITH CALCULUS); PHYSICS 224
(ELEMENTARY THERMODYNAMICS AND STATISTICAL MECHANICS) OR EQUIVALENT; PHYSICS 227
(INTRODUCTION TO MATHEMATICAL PHYSICS) OR EQUIVALENT. FIRST CLASS MEETING OF 428 WILL BE
MARCH 27 AT 1:30PM IN ROOM 405 OF THE PHYSICS-ASTRONOMY BUILDING

PHYS 568 THEORY OF SOLIDS

[16376](#) A 3 MWF 330-450 [PAA](#) A212 SPIVAK,B Open 0/ 10

PHYS 576 SEL TPC EXPRMTL PHY

[16378](#) A 3 TTh 130-250 [BAG](#) 261 OLMSTEAD,M Open 0/ 25

PHYS 586 SMNR CONDENSED MATT

[16384](#) A VAR T 330-520 [PAA](#) A110 [COBDEN,D](#) Open 0/ 25 CR/NC
F 300-520 [DEN](#) 310 [COBDEN,D](#)

Physiology and Biophysics-

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