# CURRICULUM COMMITTEE AGENDA

**October 29, 2026 3:00 pm – 5:00 pm**

*This meeting will be held in a hybrid format, via Zoom and in-person in BONH-330. This teleconference can be joined from PC, Mac, Linux, iOS or Android at: https://canyonsonline.zoom.us/j/93343480156, or by calling into the meeting at +1 669 900 9128 or +1 253 215 8782 (US Toll), Meeting ID#: 933 4348 0156. Additional teleconference locations are listed at the end of this agenda.*

*If you need a disability-related modification or accommodation (including auxiliary aids or services) to participate in this public meeting, or if you need an agenda in an alternate form, please contact the Instruction Office at (661) 362-5479 at least 48 hours before the scheduled meeting. If you would like copies of any of the proposals on this agenda, please contact Patrick Backes at patrick.backes@canyons.edu. These meetings may be audio recorded for note taking purposes. These recordings are deleted once the meeting summary is approved by the Academic Senate.*

Curriculum Committee Members

**Chairs:** Tricia George – Faculty Co-Chair; Jennifer Brezina – Administrative Co-Chair

**School Representatives:** Erin Barnthouse – Learning Resources; Kelly Bronco – Public Safety; Sarah Etheridge – Social and Behavioral Sciences; Leora Gabay – Kinesiology, Health & Wellness, Fitness & Athletics; Mike Harutunian – Humanities; Holly Hitt-Zuniga - Applied Technologies; Julie Hovden – Enrollment Services/Counseling; Krisit Miura – Health Professions; Jennifer Overdevest– Visual and Performing Arts; Jeremy Patrich – Mathematics, Science, and Engineering; Garrett Rieck – Noncredit; Lori Young – Business

**At- Large Members:** Chris Boltz – Visual and Performing Arts, Tricia Foley – Mathematics, Science, and Engineering; Jaya George – Health Professions; Cindy Leung – Visual and Performing Arts; Susan Ling – Enrollment Services/Counseling; Claudenice McCalister – Applied Technologies

**Part-Time Faculty Members:** Linda Beauregard-Vasquez – Humanities; Christine Oshian - Business; Ruth Rassool – Humanities

**Non-Voting Members:** Patrick Backes – Articulation Officer & Curriculum Analyst, Steve Bullock – Admissions and Records; Mary Powell – SLO Coordinator; Jesse Vera – Articulation Faculty Liaison

# NEW COURSE PROPOSALS – DISCUSSION OF NEED

The following new course proposals will be discussed at this meeting with the authors of the proposals to determine the need of adding the course to our curriculum. The course outlines will not be reviewed at this meeting.

| Subject & Number | Title | Rationale for New Course Proposal | Author | Effective |
|---|---|---|---|---|
| MUSIC-164 | Mariachi Ensemble | The Mariachi Ensemble offers students the opportunity to explore in depth one of the more prominent styles of music from Mexico. There are mariachi programs in several of the Hart District schools as well as numerous professional ensembles performing throughout our region. CSUN also has a mariachi program which means our students that transfer to CSUN can continue developing their skills. Mariachi ensembles traditionally perform for all kinds of community events such as birthdays, holidays, marriages, quinceañeras as well as serenading in restaurants. | W. Macpherson | TBD |
| MUSIC-166 | North Indian Music Ensemble | The N. Indian Music Ensemble offers students the opportunity to learn an entirely different system of music theory, instrumentation and performance practices beyond traditional western classical music and jazz. There is a large community of people with a cultural connection to N. Indian music in the Santa Clarita Valley that will support a collegiate ensemble of this style of music. | W. Macpherson | TBD |

## NEW COURSE PROPOSALS – FINAL READ

The need for the following new course proposals were approved at a previous Curriculum Committee meeting, or through the Program Viability process. These course outlines were reviewed through a technical review process and will now be reviewed by curriculum committee.

| Subject & Number | Title | Description of Action | Author | Effective |
|---|---|---|---|---|
| ARCHT-310 | Interior Renovation Documentation | 3 units, 18 hours lecture, 108 hours lab (1 unit lecture, 2 units lab). **New SLO. New Prerequisite/Entrance skill: Junior Standing in the Bachelor of Science in Building Performance Degree program. New Distance Education Addendum: Fully Online Asynchronous (FOA), Fully Online Synchronous (FOS), Fully Online Combination (FOC), Partially Online Asynchronous (POA), Partially Online Synchronous (POS).** | H. Hitt-Zuniga | Fall 2027 |
| REAL-107 | Property Management | 3 units, 54 hours lecture (3 units lecture). **New SLO. New Distance Education Addendum: Fully Online Asynchronous (FOA), Fully Online Synchronous (FOS), Fully Online Combination (FOC), Partially Online Asynchronous (POA), Partially Online Synchronous (POS)** | A. Naddafpour | Fall 2027 |

## NEW PROGRAM PROPOSALS – FINAL READ

These program outlines were reviewed through a technical review process and will now be reviewed by curriculum committee.

| Program | Degree/Certificate | Description of Action | Author | Effective |
|---|---|---|---|---|
| Real Estate Property Management | Certificate of Specialization | Required courses: REAL-107; BUS-101, and BUS-211. **New PSLO**. 11 required certificate units. | A. Naddafpour | Fall 2027 |

## MODIFIED PROGRAMS – CONSENT CALENDAR

The following modified programs were reviewed and recommended for approval as part of the Consent Calendar of this agenda, through a technical review process. These programs will not be reviewed during this committee meeting, and the authors of the following programs are not required to attend this meeting.

| Program | Degree/Certificate | Description of Action | Author | Effective |
|---|---|---|---|---|
| Real Estate | A.A. Degree | **Required Courses:** REAL-100, 101; BUS-201, 211. **Plus 4 elective courses from the following:** REAL-105, 107, 115, 120, 130. Total major units remain at 26 units. | A. Naddafpour | Fall 2027 |
| Real Estate | Certificate of Achievement | **Required Courses:** REAL-100, 101; BUS-201, 211. **Plus 4 elective courses from the following:** REAL-105, 107, 115, 120, 130. Total certificate units remain at 26 units. | A. Naddafpour | Fall 2027 |

## TOP TO CIP CODE TRANSITION – CONSENT CALENDAR

The following items are being approved as technical changes and will not be reviewed during this committee meeting. The authors of the following items are not required to attend this meeting.

| Courses & Programs | Title | Description of Action |
|---|---|---|
| Multiple – list provided at end of agenda | Multiple – list provided at end of agenda | As part of statewide curriculum modernization and Common Course Numbering implementation, the California Community Colleges will replace Taxonomy of Programs (TOP) codes with Classification of Instructional Programs (CIP) codes for all programs and courses. This transition ensures stronger data integrity, streamlined reporting, and improved coordination across systems. |

## NEW NONCREDIT COURSE PROPOSALS DISCUSSION OF NEED – CONSENT CALENDAR

The following Noncredit Course Discussions of Need were reviewed and approved at the October 20, 2026 Noncredit Curriculum Committee meeting.

| Subject & Number | Title | Rationale for New Course Proposal | Author | Effective |
|---|---|---|---|---|
| NC.MEA-107<br>NC.MEA-131<br>NC.MEA-135<br>NC.MEA-190 | Writing for the Short Script<br>3D Modeling and Surfacing<br>Digital Character Animation<br>Stop Motion Animation Fundamentals | Mirrored version of credit courses to create noncredit Certificates of Completion. | J. Overdevest | TBD |
| NC.RWSP-001 | Report Writing for Security Professionals | This has been an Industry request based on industry needs and won't necessarily serve current Admin Justice students. This course has been specifically requested by Cedars-Sinai Hospital. This program will bring new students into COC through NC offerings. This has the potential for new students for credit enrollments from a new target population. Course will serve approximately 150 security guards working at Cedars-Sinai Hospital. This course was specifically requested by Cedar Sinia Hospital, Director of Security Operations, for their security officers. Course will be mandatory training for hospital security officers. Security operations have regular turnover and courses will be continuous. Many officers leave for positions in local law enforcement agencies, such as LAPD and LASD. These agencies will start requiring AS degrees, pursuant to AB 89 and AB 992. | L. Alvarez | TBD |

## NEW NONCREDIT COURSE PROPOSALS FINAL READ – CONSENT CALENDAR

The following Noncredit Courses were reviewed and approved at the October 20, 2026 Noncredit Curriculum Committee meeting.

| Subject & Number | Title | Description of Action | Author | Effective |
|---|---|---|---|---|
| NC.PLGL-004 | AI for Legal Professionals I: Foundations and Ethics | 0 Units (Noncredit) 12 hours. **New SLO.** Workforce Preparation course. **New Distance Education Addendum: Fully Online Asynchronous (FOA), Fully Online Synchronous (FOS), Fully Online Combination (FOC), Partially Online Asynchronous (POA), Partially Online Synchronous (POS)** | L. Young N. Faudree | TBD |
| NC.PLGL-005 | AI for Legal Professionals II: Applications and Practice | 0 Units (Noncredit) 12 hours. **New SLO.** Workforce Preparation course. **New advisory of NC.PLGL-004. New Distance Education Addendum: Fully Online Asynchronous (FOA), Fully Online Synchronous (FOS), Fully Online Combination (FOC), Partially Online Asynchronous (POA), Partially Online Synchronous (POS)** | L. Young N. Faudree | TBD |
| NC.PLGL-006 | eDiscovery for Legal Professionals I: Fundamentals and Legal Framework | 0 Units (Noncredit) 16 hours. **New SLO.** Workforce Preparation course. **New Distance Education Addendum: Fully Online Asynchronous (FOA), Fully Online Synchronous (FOS), Fully Online Combination (FOC), Partially Online Asynchronous (POA), Partially Online Synchronous (POS).** | L. Young N. Faudree | TBD |
| NC.PLGL-007 | eDiscovery for Legal Professionals II: Applications and Practice | 0 Units (Noncredit) 16 hours. **New SLO.** Workforce Preparation course. **New advisory of NC.PLGL-006. New Distance Education Addendum: Fully Online Asynchronous (FOA), Fully Online Synchronous (FOS), Fully Online Combination (FOC), Partially Online Asynchronous (POA), Partially Online Synchronous (POS)** | L. Young N. Faudree | TBD |

## NEW NONCREDIT PROGRAM PROPOSALS FINAL READ – FINAL READ

The following new Noncredit Courses were reviewed and approved at the October 20, 2026 Noncredit Curriculum Committee meeting.

| Program | Degree/Certificate | Description of Action | Author | Effective |
|---|---|---|---|---|
| AI for Legal Professionals | Certificate of Completion | Required courses: NC.PLGL-004 & 005, 4 hours. **New PSLO**. Workforce Preparation Certificate. | L. Young N. Faudree | TBD |
| eDiscovery for Legal Professionals | Certificate of Completion | Required courses: NC.PLGL-006 & 007, 4 hours. **New PSLO**. Workforce Preparation Certificate. | L. Young N. Faudree | TBD |

## NEW/MODIFIED PREREQUISITES – CONSENT CALENDAR

The following is a summary of new and modified prerequisites that are being approved as part of the Consent Calendar of this agenda.

| Subject & Number | Title | Suggested Enrollment Limitation | Author | Effective |
|---|---|---|---|---|
| ARCHT-310 | Interior Renovation Documentation | New Prerequisite/Entrance skill of Junior Standing in the Bachelor of Science in Building Performance Degree program. | H. Hitt-Zuniga | Fall 2027 |
| NC.PLGL-005 | AI for Legal Professionals II: Applications and Practice | New advisory/recommendation preparation of NC.PLGL-004. | L. Young<br>N. Faudree | TBD |
| NC.PLGL-007 | eDiscovery for Legal Professionals II: Applications and Practice | New advisory/recommendation preparation of NC.PLGL--006. | L. Young<br>N. Faudree | TBD |

## NEW DISTANCE EDUCATION ADDENDUMS – CONSENT CALENDAR

The following is a summary of new Distance Learning Addendums (DLA's) that are being approved as part of the Consent Calendar of this agenda.

| Subject & Number | Title | Type of Delivery | Author | Effective |
|---|---|---|---|---|
| ARCHT-310 | Interior Renovation Documentation | Fully Online Asynchronous (FOA), Fully Online Synchronous (FOS), Fully Online Combination (FOC), Partially Online Asynchronous (POA), Partially Online Synchronous (POS). | H. Hitt-Zuniga | Fall 2027 |
| NC.PLGL-004 | AI for Legal Professionals I: Foundations and Ethics | New Distance Education Addendum: Fully Online Asynchronous (FOA), Fully Online Synchronous (FOS), Fully Online Combination (FOC), Partially Online Asynchronous (POA), Partially Online Synchronous (POS) | L. Young<br>N. Faudree | TBD |
| NC.PLGL-005 | AI for Legal Professionals II: Applications and Practice | New Distance Education Addendum: Fully Online Asynchronous (FOA), Fully Online Synchronous (FOS), Fully Online Combination (FOC), Partially Online Asynchronous (POA), Partially Online Synchronous (POS) | L. Young<br>N. Faudree | TBD |
| NC.PLGL-006 | eDiscovery for Legal Professionals I: Fundamentals and Legal Framework | New Distance Education Addendum: Fully Online Asynchronous (FOA), Fully Online Synchronous (FOS), Fully Online Combination (FOC), Partially Online Asynchronous (POA), Partially Online Synchronous (POS) | L. Young<br>N. Faudree | TBD |
| NC.PLGL-007 | eDiscovery for Legal Professionals II: Applications and Practice | New Distance Education Addendum: Fully Online Asynchronous (FOA), Fully Online Synchronous (FOS), Fully Online Combination (FOC), Partially Online Asynchronous (POA), Partially Online Synchronous (POS) | L. Young<br>N. Faudree | TBD |

| Subject & Number | Title | Type of Delivery | Author | Effective |
|---|---|---|---|---|
| REAL-107 | Property Management | Fully Online Asynchronous (FOA), Fully Online Synchronous (FOS), Fully Online Combination (FOC), Partially Online Asynchronous (POA), Partially Online Synchronous (POS). | A. Naddafpour | Fall 2027 |

Discussion Items:

1. Public Comment
2. Framework for the Year
3. Noncredit Report – Garrett Rieck
4. Universal Design for Learning (UDL) – UDL Scavenger Hunt
5. Curriculum Regional Meeting Report – Chris Boltz
6. Professional Development College
7. UC-Merced ADT Pathway
8. CSU Math Faculty Resolution
9. Common Course Numbering Update
10. Announcements

*The teleconference is accessible though the following link: https://canyonsonline.zoom.us/j/93343480156*

Please note: This meeting will be broadcast at the following locations via Zoom:

*13941 Sherman Way 204, Van Nuys, 91405  26854 Avenue of the Oaks, Newhall, CA. 913211  2326 Miranda Street, Valley Village, CA. 91607*

# TOP TO CIP CODE TRANSITION – COURSES

***TOP codes in bold font indicate a TOP code change***

| Subject & Number | Title | TOP Code | CIP Code |
|---|---|---|---|
| CHEM-100 | Chemistry and Society | 1905.00 Chemistry, General | 40.0501 Chemistry, General |
| CHEM-255 | Organic Chemistry I | 1905.00 Chemistry, General | 40.0504 Organic Chemistry |
| CHEM-256 | Organic Chemistry II | 1905.00 Chemistry, General | 40.0504 Organic Chemistry |
| CINEMA-120 | Film Aesthetics | 0612.10 Film History and Criticism | 50.0601 Film/Cinema/Media Studies |
| CINEMA-121 | History of American Cinema | 0612.10 Film History and Criticism | 50.0601 Film/Cinema/Media Studies |
| CINEMA-122 | History of Cinema | 0612.10 Film History and Criticism | 50.0601 Film/Cinema/Media Studies |
| CINEMA-123 | American Cinema: Crossing Cultures | 0612.10 Film History and Criticism | 50.0601 Film/Cinema/Media Studies |
| CINEMA-127 | Great Filmmakers | 0612.10 Film History and Criticism | 50.0601 Film/Cinema/Media Studies |
| CINEMA-129 | Introduction to Film Genres | 0612.10 Film History and Criticism | 50.0601 Film/Cinema/Media Studies |
| CINEMA-131 | History of International Cinema | 0612.10 Film History and Criticism | 50.0601 Film/Cinema/Media Studies |
| COMM-100 | Process of Communication | 1506.00 Speech Communication | 09.0101 Speech Communication and Rhetoric |
| COMM-120 | Small Group Communication | 1506.00 Speech Communication | 09.0101 Speech Communication and Rhetoric |
| COMM-150 | Oral Interpretation | 1506.00 Speech Communication | 09.0101 Speech Communication and Rhetoric |
| COMM-190 | Forensics | 1506.00 Speech Communication | 09.0101 Speech Communication and Rhetoric |
| COMM-200 | Communication and New Media | 1506.00 Speech Communication | 09.0101 Speech Communication and Rhetoric |
| COMM-227 | Introduction to Rhetorical Criticism | 1506.00 Speech Communication | 09.0101 Speech Communication and Rhetoric |
| COMM-235 | Communication of Aging, Health, and Society | 1506.00 Speech Communication | 09.0101 Speech Communication and Rhetoric |

| Subject & Number | Title | TOP Code | CIP Code |
|---|---|---|---|
| COMM-260 | Communication and Gender | 1506.00 Speech Communication | 09.0101 Speech Communication and Rhetoric |
| COMM-270 | Communication and Leadership | 1506.00 Speech Communication | 09.0101 Speech Communication and Rhetoric |
| ECON-170 | Economic History of the United States | **2204.00 Economics** | 45.0601 Economics, General |
| ECON-170H | Economic History of the United States - Honors | **2204.00 Economics** | 45.0601 Economics, General |
| ECON-291 | Statistical Methods in Business and Economics/Business Statistics | **1701.00 Mathematics, General** | 27.0501 Statistics, General |
| ENGR-101 | Introduction to Engineering | **0901.00 Engineering, General (requires Calculus) (Transfer)** | 14.0102 Pre-Engineering |
| ENGR-151 | Materials of Engineering | 0901.00 Engineering, General (requires Calculus) (Transfer) | 14.0101 Engineering, General |
| ENGR-151L | Materials of Engineering Lab | 0901.00 Engineering, General (requires Calculus) (Transfer) | 14.0101 Engineering, General |
| ENGR-152 | Statics | 0901.00 Engineering, General (requires Calculus) (Transfer) | 14.1101 Engineering Mechanics |
| ENGR-220 | Programming and Problem-Solving in MATLAB | 0901.00 Engineering, General (requires Calculus) (Transfer) | 14.0101 Engineering, General |
| ENGR-230 | Dynamics | 0901.00 Engineering, General (requires Calculus) (Transfer) | 14.1101 Engineering Mechanics |
| ENGR-260 | Electrical Circuits | 0901.00 Engineering, General (requires Calculus) (Transfer) | 14.0101 Engineering, General |
| ENGR-260L | Electrical Circuits Laboratory | 0901.00 Engineering, General (requires Calculus) (Transfer) | 14.0101 Engineering, General |
| ETHNST-101 | Introduction to Ethnic Studies | 2203.00 Ethnic Studies | 5.0200 Ethnic Studies |
| ETHNST-103 | Introduction to African American Studies | 2203.00 Ethnic Studies | 5.0201 African-American/Black Studies |
| ETHNST-104 | Chicana/Latina Feminism in Contemporary Society | 2203.00 Ethnic Studies | 5.0203 Hispanic-American, Puerto Rican, and Mexican-American/ Chicano Studies |
| ETHNST-105 | Introduction to Native American Studies | 2203.00 Ethnic Studies | 5.0202 American Indian/Native American Studies |
| ETHNST-106 | Introduction to Asian American Studies | 2203.00 Ethnic Studies | 5.0206 Asian-American Studies |

| Subject & Number | Title | TOP Code | CIP Code |
|---|---|---|---|
| GEOGRPH-100 | Physical Geography | 2206.00 Geography | 45.0701 Geography |
| GEOGRPH-101 | Physical Geography with Lab | 2206.00 Geography | 45.0701 Geography |
| GEOGRPH-102 | Human Geography | 2206.00 Geography | 45.0701 Geography |
| GEOGRPH-103 | Weather and Climate | 1930.00 Earth Science | 40.0401 Atmospheric Sciences and Meteorology, General |
| GEOGRPH-104 | World Regional Geography | 2206.00 Geography | 45.0701 Geography |
| GEOGRPH-105 | California Geography | 2206.00 Geography | 45.0701 Geography |
| GEOGRPH-110 | Maps and Spatial Reasoning | 2206.00 Geography | 45.0701 Geography |
| GEOGRPH-200 | Geography of Disney's Thematic Landscapes | 2206.00 Geography | 45.0701 Geography |
| GEOLOGY-100 | Physical Geology | 1914.00 Geology | 40.0601 Geology/Earth Science, General. |
| GEOLOGY-101 | Physical Geology with Lab | 1914.00 Geology | 40.0601 Geology/Earth Science, General |
| GEOLOGY-102 | Earth History & The Fossil Record | 1914.00 Geology | 40.0604 Paleontology |
| GEOLOGY-103 | Dinosaurs | 1914.00 Geology | 40.0604 Paleontology |
| GEOLOGY-104 | Environmental Geology | 1914.00 Geology | 40.0601 Geology/Earth Science, General |
| GEOLOGY-105 | Geology of California | 1914.00 Geology | 40.0601 Geology/Earth Science, General |
| GEOLOGY-110 | Earth Science with Lab | 1914.00 Geology | 40.0601 Geology/Earth Science, General |
| GEOLOGY-111 | Dinosaurs with Lab | 1914.00 Geology | 40.0604 Paleontology |
| GIS-101 | Introduction to Geographic Information Systems | 2206.10* Geographic Information Systems | 45.0702 Geographic Information Science and Cartography |
| GIS-102 | Applied Techniques for GIS | 2206.10* Geographic Information Systems | 45.0702 Geographic Information Science and Cartography |
| OCEAN-101 | Introduction to Oceanography | 1919.00 Oceanography | 40.0607 Oceanography, Chemical and Physical |

| Subject & Number | Title | TOP Code | CIP Code |
|---|---|---|---|
| PHILOS-102 | Introduction to Eastern Religion and Philosophy | 1509.00 Philosophy | 38.0001 Philosophy and Religious Studies, General. |
| PHILOS-106 | Introduction to Argument | 1509.00 Philosophy | 38.0102 Logic. |
| PHILOS-110 | History of Ancient Philosophy | 1509.00 Philosophy | 38.0101 Philosophy |
| PHILOS-111 | History of Modern Philosophy | 1509.00 Philosophy | 38.0101 Philosophy |
| PHILOS-112 | History of Philosophy - 20th Century Philosophy | 1509.00 Philosophy | 38.0101 Philosophy |
| PHILOS-120 | Introduction to Ethics | 1509.00 Philosophy | 38.0101 Philosophy |
| PHILOS-130 | Introduction to Social and Political Philosophy | 1509.00 Philosophy | 38.0103 Ethics |
| PHILOS-220 | Introduction to Comparative Religion | 1510.00 Religious Studies | 38.0001 Philosophy and Religious Studies, General |
| PHILOS-225 | Introduction to Philosophy of Religion | 1509.00 Philosophy | 38.0001 Philosophy and Religious Studies, General |
| PHILOS-230 | Symbolic Logic | 1509.00 Philosophy | 38.0102 Logic |
| PHILOS-240 | Contemporary Moral Problems | 1509.00 Philosophy | 38.0103 Ethics |
| PHILOS-250 | Environmental Ethics | 1509.00 Philosophy | 38.0103 Ethics |
| PHILOS-450 | Environmental Ethics in a Changing World | 1509.00 Philosophy | 38.0104 Applied and Professional Ethics |
| PHYSCI-101 | Conceptual Physical Science | 1901.00 Physical Sciences, General | 40.0101 Physical Sciences, General |
| PHYSIC-101 | Introduction to Physics | 1902.00 Physics, General | 40.0801 Physics, General |
| PHYSIC-102 | Introductory Physics with Laboratory | 1902.00 Physics, General | 40.0801 Physics, General |
| PHYSIC-110 | General Physics I | 1902.00 Physics, General | 40.0801 Physics, General |
| PHYSIC-111 | General Physics II | 1902.00 Physics, General | 40.0801 Physics, General |
| PHYSIC-210 | Physics with Calculus for Life Science Majors I | 1902.00 Physics, General | 40.0801 Physics, General |

| Subject & Number | Title | TOP Code | CIP Code |
|---|---|---|---|
| PHYSIC-211 | Physics with Calculus for Life Science Majors II | 1902.00 Physics, General | 40.0801 Physics, General |
| PHYSIC-220 | Physics for Scientists and Engineers: Mechanics of Solids and Fluids | 1902.00 Physics, General | 40.0801 Physics, General |
| PHYSIC-221 | Physics for Scientists and Engineers: Electricity, Magnetism, and Waves | 1902.00 Physics, General | 40.0801 Physics, General |
| PHYSIC-222 | Physics for Scientists & Engineers: Thermodynamics, Optics, Relativity & Modern Physics | 1902.00 Physics, General | 40.0801 Physics, General |