UNM-LA Fundraiser

An Evening with Dr. Terry Wallace

“THE COSMIC MYSTERY OF MINERALS”

Wednesday, August 15, 2018
Fuller Lodge, Los Alamos

Reception 6:15 p.m.
Presentation 7:00 p.m.
The Priorities of UNM-LA

Preparation for Transfer...Pathways for Careers...Passion for Lifelong Learning

I. Commitment to Excellence
II. Success through Collaboration
III. Engagement with the Community
Brief History

1956
UNM Los Alamos Center for Graduate Studies

1980
Los Alamos Branch Campus of the University of New Mexico founded

1982-1985
Classroom Buildings Constructed Buildings 2, 3, 4, and 5

1996
The Learning Resource Center Building 7

2008
Constructed Building 8, Maintenance Building with Vocational Classroom

2013
Jeannette O. Wallace Hall opened after an expansion and remodel of Building 5

2016-2017
Remodel of a portion of Building 6 to create EMS Training Facility with Ambulance Simulator

2017
Los Alamos citizens show support for UNM-LA by voting to increase UNM-LA Mil levy funding

1970
University of New Mexico Residence Center in Los Alamos offers undergraduate courses

1980
UNM-LA staff assume daily operations of Graduate Studies from LANL Training Office

1989-1990
Mesa Gymnasium in Building 6 made available to UNM-LA and remodeled into classrooms

2000
Remodel and Expansion of Building 2, to create a Student Center, Lecture Hall and additional classrooms and offices

2015
Remodel of Science Classrooms in Buildings 3 and 5
Catalogue of Los Alamos University Courses and Student Enrollment

September 17, 1945

TO: ALL TECHNICAL PERSONNEL
SUBJECT: CATALOGUE OF COURSES
REGISTRATION

PLEASE NOTE CHANGED HOURS AND LOCATIONS. Registration will be held from Tuesday, September 18 to Friday, September 21 inclusive. The hours will be from 8:30 to 11:30 a.m. and from 2:30 to 5:30 p.m. in Room E-210. There will also be registration facilities in the

Preliminary: A.B. degree in Physics, or equivalent amount of undergraduate Physics, Differential Equations.

Textbook: "Whacker: Analytical Dynamics"

Description of course: A study of the dynamics of particles, rigid bodies, elastic media, and fluids. Topics to be taken up will include vector analysis, particle dynamics, Lagrange's equations, Hamilton's equations, rigid body dynamics, vibrating systems, coupled systems, and normal equations; dissipative systems; analytic methods, and hydrodynamics.

72. Electromagnetic Theory
Lecturer: E. S. Bethe
Hours: Tues. & Fri., 10:30-11:45 a.m. Room B-232
Prerequisites: Calculus, Differential Equations, and an under-graduate course in Electricity and Magnetism, or its equivalent.

Textbook: "Abraham & Bethe: Electromagnetic Theory"

Description of course: The course will start by setting down and explaining Maxwell's equations. Various phenomena will be described from these equations, relatively short time will be devoted to electron states, an intermediate treatment will be given of stationary currents and their magnetic fields and of high-frequency electromagnetic waves. Electromagnetic ray methods and wave guides will be discussed. Relativistic electrodynamics will conclude the course.

73. Statistical Mechanics
Lecturer: L. I. Schiff
Hours: Mon., 9:00-10:15 a.m. Gamma 49
Thurs., 10:30-11:45 a.m. Gamma 49
Prerequisites: Theoretical Mechanics and Modern Physics; Quantum Mechanics desirable.

Textbook: "Introduction to Mechanics" (H. Goldstein)

Description of course: First part, General Theory (8 to 10 weeks). Introduction to classical mechanics: energy and momentum; determination of motion; Hamilton's principle; waves and oscillations; rigid bodies. Second part, Quantum Mechanics (6 to 8 weeks). Introduction to quantum mechanics: Schrödinger's equation; wave mechanics; probability; atomic spectra; nuclear reactions; alpha decay; fission; beta decay; nuclear reactions; gamma rays; energy levels; and quantum mechanics.

74. Elementary Quantum Mechanics
Lecturer: R. Feynman
Hours: Tues. & Thurs., 9:00-10:15 a.m. Room B-212 (Section 1)
Wed. & Fri., 1:30-2:45 p.m. Room B-212 (Section 2)
Prerequisites: One semester Quantum Mechanics; Modern Physics; Atomic Spectra; Structure Elementary Particles.

Textbook: "Modern Physics"

Description of course: 1. Elementary particles and properties. 2. Symmetry of Nuclear Structure; nuclear reactions; alpha decay; fission; beta decay; nuclear reactions; and quantum mechanics.

75. Nuclear Physics
Lecturer: E. Fermi
Hours: Tues. & Thurs., 9:00-10:15 a.m. Sigma 47
Prerequisites: One semester Quantum Mechanics; Modern Physics; Atomic Spectra; Structure Elementary Particles; Nuclear Reactions; and Nuclear Reactions.

Textbook: "Modern Physics"

Description of course: 1. Nuclear reactions (infinities, accelerometers, accelerators, etc.). 2. Nuclear reactions (infinities, reactions, etc.). 3. Nuclear processes (infinities, reactions, etc.).
Note: Fall enrollment has increased by 23% in past 5 years.
Increase in Number of Graduates for Past 5 Years

Number of Degrees and Certificates

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Increase Of 169%
Each Of Us Defines All of Us

Dr. Melanie Shirk – History Faculty

At the Fall meeting for UNM-LA Faculty this year, Dr. Melanie Shirk was presented a certificate honoring her 100 semesters (including summers) of teaching at UNM-LA. Others who have taught classes for our campus for more than 20 years include, Dr. Leslie Dendy, Mary Jane Geisler, Dr. Mike McNaughton, and Dr. Tom Beach.
Each Of Us Defines All of Us

Ufemia Bernal Rios – CIC Intern

UNM-Los Alamos student Ufemia Bernal Rios participated in our Community Internship Collaboration (CIC) program working with the Los Alamos Chamber of Commerce. Based on the experience, the Chamber hired Ufemia as their Membership Coordinator. Ufemia is one of 78 UNM-LA and LAHS Dual Credit students who have participated in this program that is a collaboration between UNM-LA, LAHS, LANL, LANS, and local small businesses.
Victoria was working in housekeeping at the Los Alamos Medical Center when UNM-LA announced our new CNA program. She was inspired to complete the program and now works directly with patients in a job that is more rewarding both personally and financially.
Amber Cline – Dual Credit Student

Amber is one of 598 dual credit students who took classes at UNM-LA last year. Several of these students chose classes in our Electro Mechanical Program, which includes experience working with a plasma cutter, welders, and other machine shop tools, attracts a wide variety of students, including dual credit students.
UNM-LA is one of four branch campuses within the UNM system. We were honored to have UNM President Garnett Stokes on campus earlier this year. Our students can seamlessly transfer within the UNM system and receive UNM transcripts and UNM degrees. We are accredited as part of the UNM system through the Higher Learning Commission. By New Mexico state statute, we are a branch campus community college, which means we are a separate financial institution, independently funded.
Key Collaborations

UNM-LA, UNM, and Los Alamos National Lab

UNM-LA is in a unique position to work closely with UNM and LANL. We collaborate with these partners to provide higher educational opportunities to students in our area in fields that meet the workforce needs of LANL and our community.
UNM-LA, UNM Anderson School of Management, and LANL have worked together to offer a Masters of Science (MS) in Project Controls, Project Management, and Program Management on the UNM-LA Campus. Students in Los Alamos meet in the Zoom classroom on campus while other students use technology to participate in a synchronous online class.
Strategic Initiatives

Program Development and Support

Student Success Initiatives for Retention and Graduation

Community Collaborations
Thank you!
How Your Donations Can Help!

• Strategic Initiatives

• Scholarships

• UNM-LA Endowment with the Los Alamos Community Foundation