ACHARYA NAGARJUNA UNIVERSITY
CENTRE FOR DISTANCE EDUCATION
Recognized by Distance Education Bureau, NewDelhi

Master of Science in Physics (ODL MODE)

ABOUT ACHARYA NAGARJUNA UNIVERSITY (ANU)

Acharya Nagarjuna University, named after the illustrious Buddhist philosopher Acharya Nagarjuna, was established in 1976 and is strategically located between Vijayawada and Guntur on the Kolkata Chennai National Highway (NH 16). The university was inaugurated on 11th September 1976 by the former President of India, Sri Fakruddin Ali Ahmed, and celebrated its Silver Jubilee in 2001. NAAC has awarded "A+" grade accreditation, reinforcing its premier status. The university originated in 1967 as a Postgraduate Centre of Andhra University and later evolved into a full-fledged university in 1976. It is close to the historic site where Acharya Nagarjuna founded a global center of learning centuries ago. Over the years, ANU has expanded significantly, offering programs in Engineering, Education, Law, Pharmacy, Science, Commerce, Management, and Arts, along with advanced research centers. Its 293 acre campus provides state-of-the-art facilities including central library, laboratories, hostels, health center, transport, and recreational amenities.

WHY CHOOSE US?

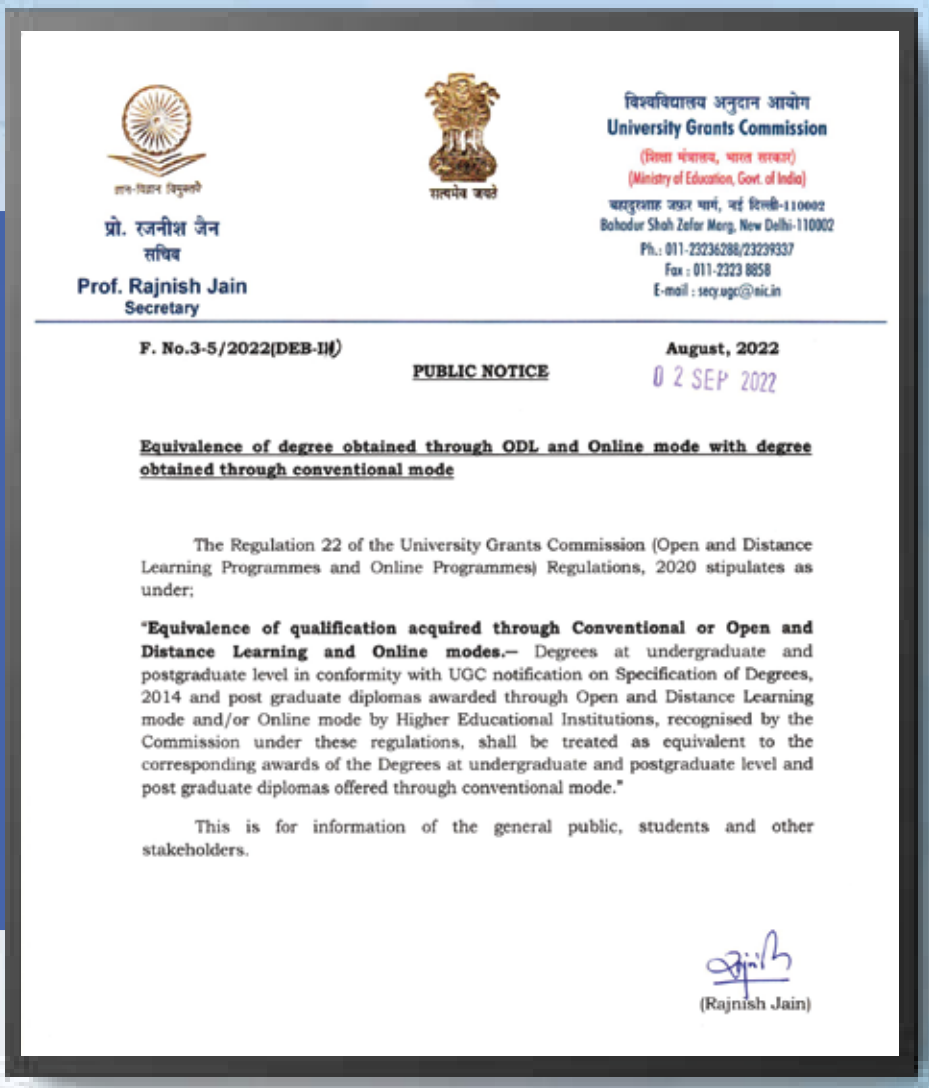
NAAC'A+'
Grade Accredited University

NEP 2020 & UGC Compliant
Government Recognized & Globally Accepted

45+ Years
of Academic Excellence

ODL DEGREE = REGULAR DEGREE

As per UGC Regulations 2020 (Reg. 22), ODL degrees hold the same academic value as traditional degrees.



प्रो. रजनीश जैन
सचिव
Prof. Rajnish Jain
Secretary

सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)
बहादुरशाह जफर मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002
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August, 2022

02 SEP 2022

PUBLIC NOTICE

Equivalence of degree obtained through ODL and Online mode with degree obtained through conventional mode

The Regulation 22 of the University Grants Commission (Open and Distance Learning Programmes and Online Programmes) Regulations, 2020 stipulates as under;

"**Equivalence of qualification acquired through Conventional or Open and Distance Learning and Online modes.**— Degrees at undergraduate and postgraduate level in conformity with UGC notification on Specification of Degrees, 2014 and post graduate diplomas awarded through Open and Distance Learning mode and/or Online mode by Higher Educational Institutions, recognised by the Commission under these regulations, shall be treated as equivalent to the corresponding awards of the Degrees at undergraduate and postgraduate level and post graduate diplomas offered through conventional mode."

This is for information of the general public, students and other stakeholders.

(Rajnish Jain)

ADDED BENEFITS OF LEARNING ODL

- Study Anytime, Anywhere
- Industry-Relevant Curriculum
- Cost-Effective Learning
- Access to Digital Resources

MASTER OF SCIENCE IN PHYSICS

2 YEARS (4 SEMESTERS)
Duration

OPEN & DISTANCE LEARNING (ODL)
Mode of Learning

COURSE ELIGIBILITY

- Applicants must have a B.Sc. with Physics & Mathematics with any recognised university.

COURSE DESCRIPTION

The M.Sc. physics program at ANU provides advanced knowledge in classical mechanics, quantum mechanics, electrodynamics, statistical physics, solid-state physics, electronics, and modern applications like nanotechnology. Delivered in ODL mode, it enables students and working professionals to strengthen their expertise in both theoretical and applied physics.

SEMESTER-I		
Course Code	**Paper Title**	**Credit**
101PH24	Classical Mechanics	4
102PH24	Introductory Quantum Mechanics	4
103PH24	Mathematical Physics	4
104PH24	Analog and Digital Electronics Practicals:	4
105PH24	General Physics (Electricity & Optics) PRACTICAL	4
106PH24	Electronics PRACTICAL	4

SEMESTER-II		
Course Code	**Paper Title**	**Credit**
201PH24	Statistical Mechanics	4
202PH24	Solid State Physics	4
203PH24	Quantum Dynamics and Scattering Theory	4
204PH24	Computational Methods and Programming Practicals:	4
205PH24	General Physics (Spectroscopy) PRACTICAL	4
206PH24	Electronics PRACTICAL	4

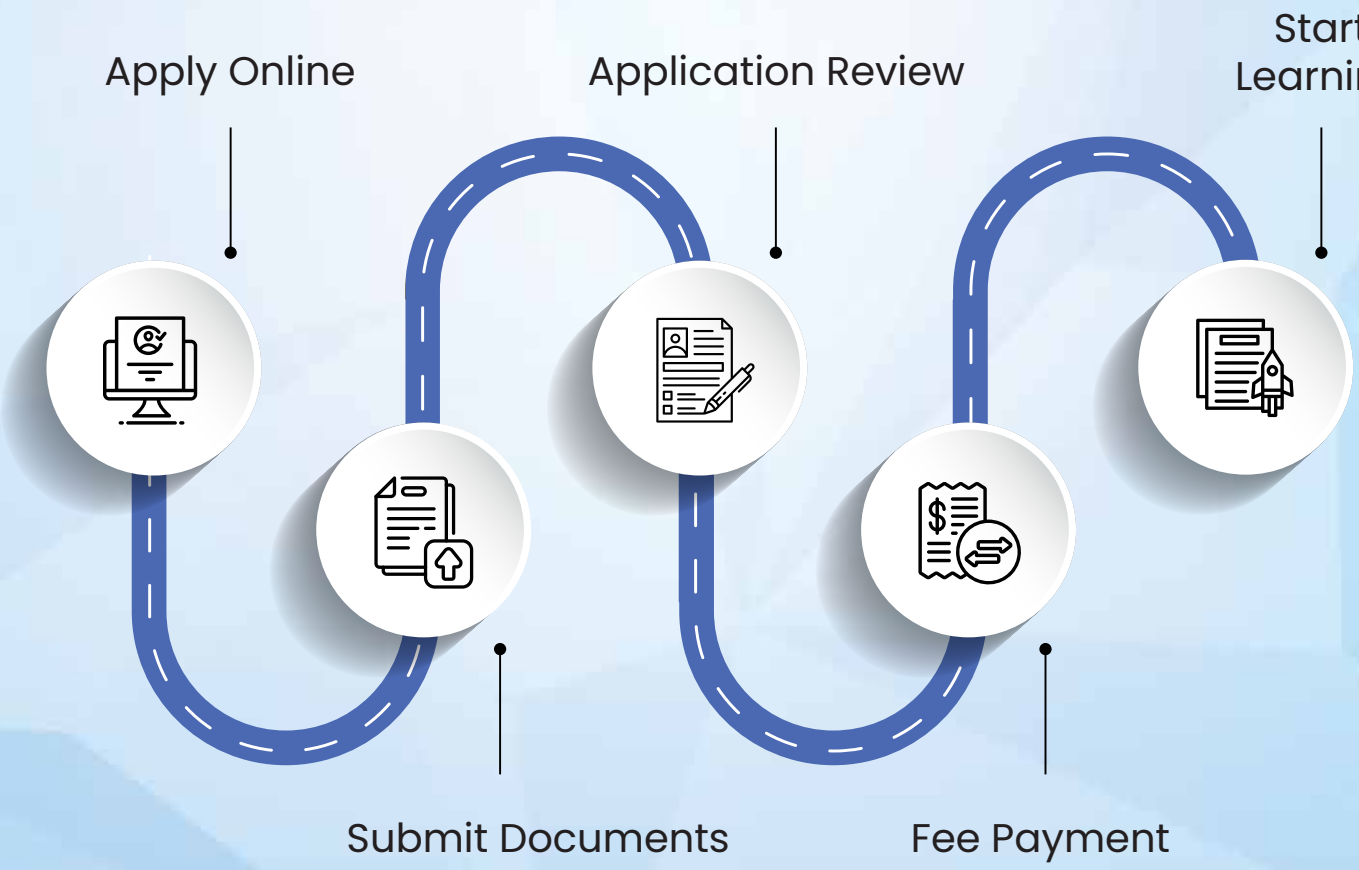
SEMESTER-III		
Course Code	**Paper Title**	**Credit**
301PH24	Nuclear and Particle Physics	**4**
302PH24	Advanced Quantum Mechanics	**4**
303PH24	Condensed Matter Physics - I	**4**
304PH24	Condensed Matter Physics - II Practicals:	**4**
305PH24	Microprocessor & C Programming PRACTICAL	**4**
306PH24	Condensed Matter Physics PRACTICAL	**4**

SEMESTER-IV		
Course Code	**Paper Title**	**Credit**
401PH24	Electromagnetic Theory, Lasers and Modern Optics	**4**
402PH24	Atomic, Molecular and Resonance Spectroscopy	**4**
403PH24	Advances in Materials Science	**4**
404PH24	Advanced Condensed Matter Physics Practicals:	**4**
405PH24	Advanced Electronics PRACTICAL	**4**
406PH24	Advanced Condensed Matter Physics PRACTICAL	**4**

FEE STRUCTURE

YEARLY	FEES
YEAR I	₹ 15,200
YEAR II	₹ 15,200
TOTAL	₹ 30,400

ADMISSION PROCESS



Career Opportunities After M.Sc Physics

Graduates can pursue roles such as:

- Research Scientist
- Physicist
- Laboratory Specialist
- Data Analyst (Physics/ Engineering Applications)
- Electronics/ Instrumentation Specialist
- Space & Astronomy Research Associate
- Academic/ Lecturer
- Technical Officer in Government/ PSUs

Start Your Journey with

ACHARYA NAGARJUNA UNIVERSITY

For more information contact:

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