CU Online
Discover. Learn. Empower.



ONLINE

M.Sc MATHEMATICS

Master of Science in Mathematics

Rankings and Accreditation

UGC Entitled

UGC Entitled
Online Degrees

NAAC A+

NAAC A+
Accredited

RANKED #19
in INDIA by

nirf

NBA

NBA Accredited Programs

QS WORLD UNIVERSITY RANKINGS 2026

Ranked Among the

Top 2%

UNIVERSITIES
WORLDWIDE

Global Rank #575

QS UNIVERSITY RANKINGS ASIA

QS World University Rankings Asia 2025

RANKED

#1

Among all Private Universities in India

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About Chandigarh University

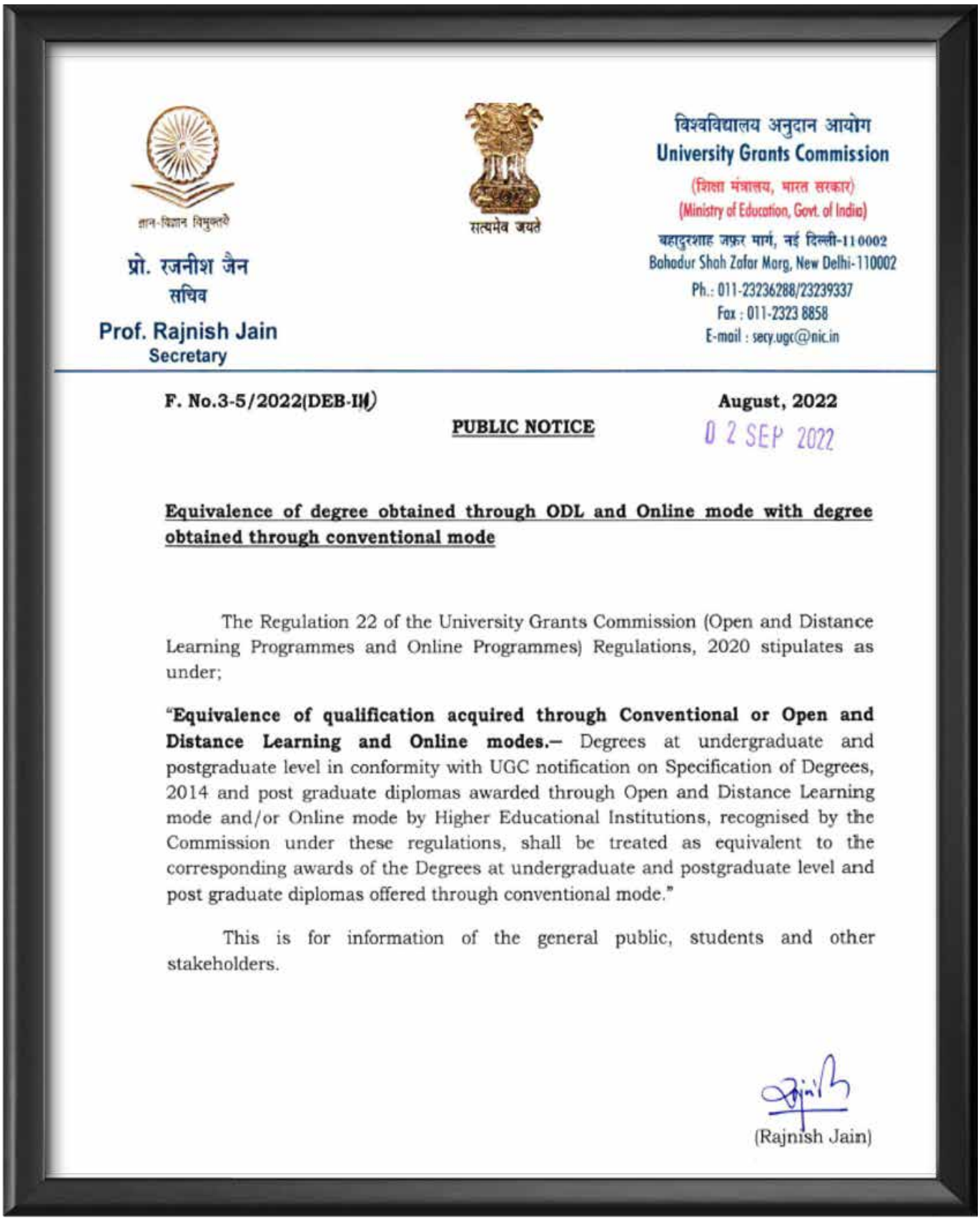
Chandigarh University is a leading Indian university offering its students a unique blend of professional and academic excellence. The university has been accredited by the National Assessment and Accreditation Council (NAAC) with the prestigious A+ grade. In addition to this, the university is the youngest institution to receive an A+ grade in the first cycle of accreditation and the only private university in the Punjab state to be accredited by NAAC.

Also, ranked among Asia's best and fastest-growing universities, the experience of top industry leaders and renowned academicians to foster an industry-driven approach. A wide spectrum of programs paired experiential learning and interdisciplinary orientation emancipate our students to explore their interests and pursue dream careers. At CU we are grooming students to be socially sensitive through intellectually challenging and contemporary diverse culture.



Online Degrees Equivalence

As per Regulation 22 of the UGC 2020 guidelines, degrees awarded through online mode are equivalent to offline degrees.



ज्ञान-विज्ञान विमुक्तये

सत्यमेव जयते

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PUBLIC NOTICE

02 SEP 2022

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)

Why choose Chandigarh University?

Harvard Business Publishing Education

Access premium resources from global experts and industry leaders

Flexible Examination Scheduling

Select slots from a timeline spread over weekends

State-of-the-Art Learner App

Seamless education with our cutting-edge Learner App

Career Assistance Opportunities

Get guidance for career planning, job search, and skill development

Learn from Global Experts

Gain insights from top faculty and industry veterans

Affordable and Flexible Payment Options

Flexible plans: No-Cost EMI, annual, or semester-wise

Program Overview

Duration:
2 years

Mode of Instruction:
Online

- Industry relevant curriculum
- Adherence to UGC 4 quadrants
- 40+ live sessions
- Comprehensive student support
- 20+ case studies & projects
- Flexibility of learning

Masterclass Series: Insights from the Leaders who Shape the Future

At Chandigarh University Online, learning doesn't stop at theory. Through our ***Industry Masterclass Series,*** students gain first-hand insights from professionals who have shaped industries and led transformative change. Conducted at regular intervals, these sessions cover diverse topics, from emerging business trends and new-age technologies to leadership, innovation, and career growth. Each masterclass adds a real-world perspective to academic learning, enriching students' experience and preparing them for life beyond the classroom.

Meet some of the industry experts who've inspired our learners:



Ankur Warikoo

Entrepreneur, Author and Content Creator



Divij Bajaj

Microsoft

Data & Applied Scientist at Microsoft



Ankur Agrawal

Microsoft

Engineering Head at Microsoft India

Program Structure

SEMESTER I — 20 Credits

Real Analysis

Linear Algebra

Differential Equations

Complex Analysis

Statistical Methods

SEMESTER II — 20 Credits

Functional Analysis

Abstract Algebra

Integral Equations and Calculus of Variations

Numerical Analysis

Topology

SEMESTER III — 20 Credits

Optimization Techniques

AI for All

Elective as per Specialization Group - A/B/C

Elective as per Specialization Group - A/B/C

Elective as per Specialization Group - A/B/C

SEMESTER III (GROUP A) COMPUTATIONAL MATHEMATICS

Theory of Computation

Optimal Control Theory

Software Engineering

Combinatorial Optimization

Program Structure

SEMESTER III (GROUP B) APPLIED MATHEMATICS

Solid Mechanics

Advanced Partial Differential Equations

Finite Element Methods

Bio-Mechanics

SEMESTER III (GROUP C) PURE MATHEMATICS

Number Theory

Advanced Complex Analysis

Actuarial Mathematics-I

Coding Theory

SEMESTER IV

20 Credits

Fundamentals of LaTeX

Elective as per Specialization Group - A/B/C

Elective as per Specialization Group - A/B/C

Elective as per Specialization Group - A/B/C

Elective as per Specialization Group - A/B/C

SEMESTER IV (GROUP A) COMPUTATIONAL MATHEMATICS

Fuzzy Set Theory & Applications

Evolutionary Algorithms and Numerical Optimization

Advanced Financial Modelling

Graph Theory and Applications

Information Theory

Design and Analysis of Algorithms

Program Structure

SEMESTER IV (GROUP B) APPLIED MATHEMATICS

Advanced Numerical Analysis

Applied Solid Mechanics

Advance Optimization Techniques

Computational Fluid Dynamics

Viscous Fluid Dynamics

Bio-Fluid Dynamics

SEMESTER IV (GROUP C) PURE MATHEMATICS

Operator Theory

Cryptography

Advanced Topology

Actuarial Mathematics-II

Measure Theory

Riemannian Manifolds

Diverse Career Opportunities for M.Sc Mathematics Graduates

- Mathematician
- Actuary
- Data Scientist/Analyst
- Quantitative Analyst
- Operations Research Analyst
- Statistician
- Cryptographer
- Research Scientist
- Biostatistician
- Market Research Analyst
- Computer/Software Developer
- Mathematics Teacher/Professor
- Econometrician
- Financial Analyst
- Consultant
- Supply Chain Analyst
- Treasury Management Specialist
- Banking
- Scientific Officer
- Tax Collector



Online Education: The Future of Learning

Online education has transformed the way we learn, offering flexibility, accessibility, and opportunities for growth. Whether you're balancing a career, family, or simply seeking à more convenient way to study, online learning provides a pathway to achieve your aspirations with ease and efficiency.



Flexible Learning



Accessible Everywhere



Self-Directed Progress



Diverse Peer Network



Advanced Learning Tools



Exams on Demand



Expert-Led Sessions



Cost Effective Education

All-in-One Learner App

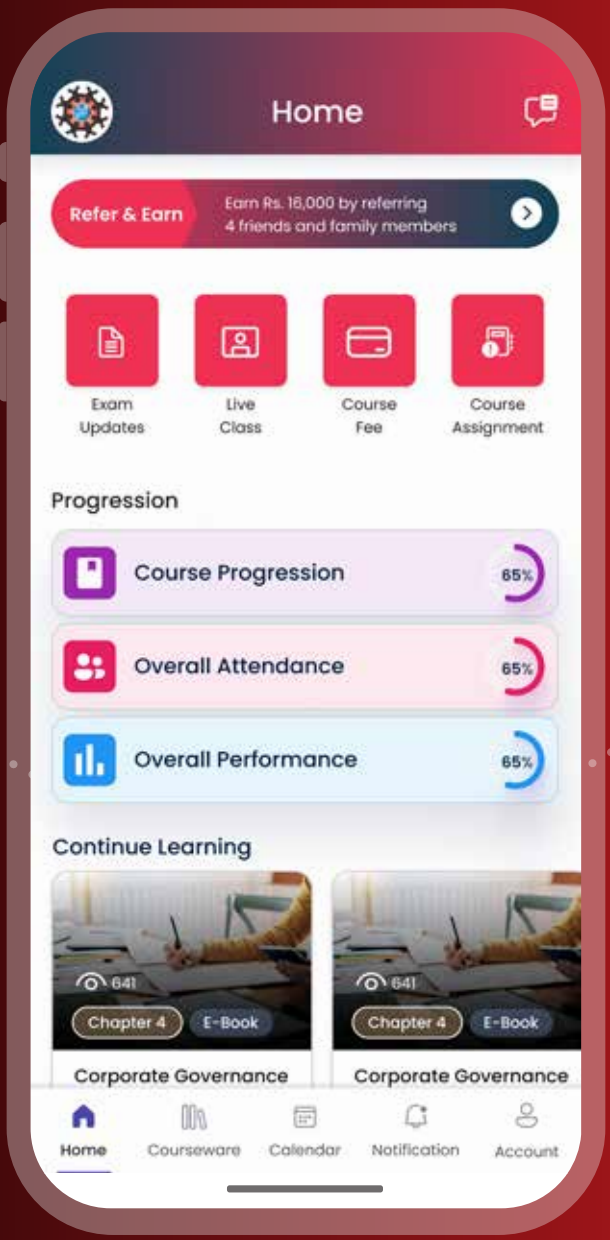
Real-time Notification

Offline Access to Content

Personalized Calendar

Analytics Dashboard

Track Real-time Progress



SCAN TO INSTALL ON ANDROID DEVICE

SCAN TO INSTALL ON IOS DEVICE

Real Stories, Real Impact

Don’t just take our word for it, hear from our learners on how CU Online helped them grow, upskill and move closer to their goals, one milestone at a time.



My journey with CU Online’s MCA program has been incredible. The faculty is so helpful and supportive. I’m proud of my decision to pursue my degree from Chandigarh University.

Gunjan



The CU Online program gave me the perfect blend of structure and flexibility with live and recorded lectures that fit my schedule.

Vrinda Bhardwaj



After 20 years of experience, Chandigarh University Online gave me the chance to finally complete my Master’s. The program was flexible, and the experience as enriching as an on-campus degree.

Sanketh

Admission Process

STEP 1 Online counselling:

Our counselors will provide guidance to potential students on their selected program.

STEP 2 Online registration to admission portal:

Access to the admission portal is granted through online registration with a registration fee.

STEP 3 Documents verification:

The university admission team reviews the uploaded documents and confirms eligibility within a span of 4 Days.

(Documents approval is subject to eligibility criteria as per the university guidelines.)

STEP 4 Fee payment & LMS access:

Students receive a fee payment link to complete payment. Upon successful fee payment, eligible students are granted access to LMS (Learning Management System) within 48 hours.

ELIGIBILITY:

Bachelor's Degree in aggregate with Mathematics as a compulsory subject from a recognized Board/University



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