FACILITIES

KU offers the best facilities for higher education in Nepal that includes:

- All faculty available during office hours
- Academic counseling & project supervision available in off-hours
- More than 70000 volumes of library books
- Separate advanced Computer Lab
- Hostel facilities for needy students
- 24 hours internet access

OTHER PROGRAMS

- B. Sc. Computational Mathematics
- M. Phil. in Mathematics/Statistics
- Ph. D. in Mathematics/Statistics

SALIENT FEATURES

Since 1997, more than 60 M.Phil. Students successfully graduated and 14 Ph.D. degrees have been awarded as an academic ambassador.

(UGC Supported Advanced Computer Lab)

FACULTY
Professors
Dr. Kanhaiya Jha (Former Dean, SOS)
Dr. Jyoti Upadhyaya (Former HOD)
Dr. Dil Bahadur Gurung (Former HOD)
Dr. Ram Prasad Ghimire (NAST Academician)
Visiting Professors
Dr. Bhadra Man Tuladhar (Former Registrar)

Associate Professors
Dr. Rabindra Kayastha (HOD)
Dr. Samir Shrestha

Assistant Professors
Dr. Gokul KC (Assoc. Director, SWD)
Dr. Saraswati Acharya
Mr. Kiran Kumar Shrestha, MPhil
Dr. Kanchha Bhai Manandhar
Dr. Ganga Ram Phaijoo
Dr. Khim Bahadur Khattri
Dr. Sushil Ghimire

Lecturer
Mr. Harish Chandra Bhandari, MPhil

IT Technician: Mr. Shidhanta K.C.

For Detail Information

Department of Mathematics

School of Science, KU

Contact : 977-011-415100, 415200, 415021
Mobile No.: 9801670053, 9851117914, 9841755619

E-mail: math_hod@ku.edu.np
KU Web: http://math.ku.edu.np

KATHMANDU UNIVERSITY

"Quality Education for Leadership"

Department of Mathematics
School of Science

PROGRAM INFORMATION

M. Sc. In
COMPUTATIONAL MATHEMATICS

2022

INTRODUCTION

Kathmandu University (**KU**) was established by the act of the parliament of Nepal in November 1991, as an autonomous, not-for-profit, non-government institution dedicated to maintaining high standards of academic excellence. Most of the technical and professional programs run at **KU** are the first to be introduced in the country, with global recognition. Among seven schools of **KU**, School of Science is the first and signatory school.
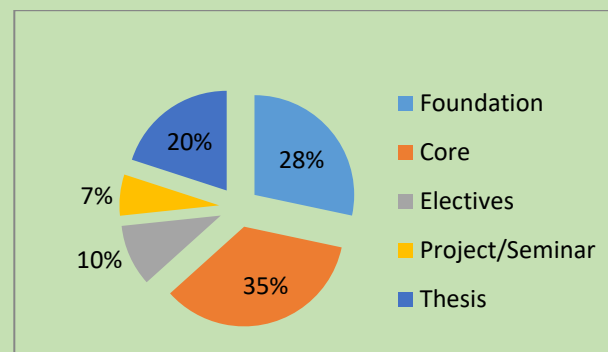

COMPUTATIONAL MATHEMATICS

In this modern age, computer and its applications are widely used in almost all the sectors. The one with a rigorous mathematical foundation and high computational skills can tackle any real-life problem in the form of mathematical model to achieve the goals. Highly competent graduates possessing sound mathematical knowledge and computational skills can smoothly deal with complex problems in almost all the disciplines like Science and Technology, Engineering, Medicine, Financial & Banking, Product-Based Industries and many more.

The students with undergraduate degree having necessary mathematics foundations would like to pursue and develop high level of computational skills to strengthen their academic career. For this, the Department of Mathematics, **KU** is going to offer an interdisciplinary graduate program, **M.Sc. in Computational Mathematics** for the **first time** in Nepal.

This program is aimed for preparing the students to refine their capabilities in applying mathematical tools as well as computational skills to study a wide range of problems arising in real domain.

COURSE STRUCTURE

The courses offered include mathematics, computer and statistics as a core together with some fundamental and electives courses.

CAREER OPPORTUNITIES

- ➢ Software Industry
- ➢ Scientific Research Center
- ➢ Academic Institution
- ➢ Financial Institutions
- ➢ Consulting Engineering Firms

ADMISSION REQUIREMENT

Students interested to join this program must have secured a minimum CGPA of **2.0** or second division from recognized universities in
- ➢ B.Sc. Computational Mathematics
- ➢ B.Sc. CS/CSIT
- ➢ 4-Years B.Sc.(with minimum 2 years' study of mathematics courses)
- ➢ B.E./B.Tech(with minimum 12 Credit mathematics courses)
- ➢ Or equivalent

FINANCIAL AID AND SCHOLARSHIP

- ➢ UGC Formula-Based funding scholarship
- ➢ KU Silver Jubilee Graduate assistantship

EVALUATION SCHEME

Evaluation is based on continuous assessment that includes class participation, assignments, project works, term papers, in-semester, and end-semester examinations. Finally, students need to present a thesis to enhance the research activities

Grade	A	A-	B+	B	B-	C+	C	F
Grade Point	4	3.7	3.3	3	2.7	2.3	2	0

To complete M.Sc. degree, students are required to maintain a minimum of **3.0** Cumulative Grade Point Average (**CGPA**).

The **total cost** of the program is as per the KU rule which can be paid in **8** installments. Moreover, student's club **KUCMC** is there to regulate extracurricular activities.