



Prof. Shubham Kumar Adjunct Instructor

Hello Dear Students!

I am Shubham, a theoretical and mathematical physicist, and I have taught Physics, Mathematics, Statistics, and Astronomy at UMGC Europe since 2024, working with service members and their families in class and online.

I hold an MSc in Mathematical Physics from Johannes Gutenberg University Mainz, where my thesis treated compactifications of Type II supergravities on Spin (7)-holonomy manifolds, and an MSc in Theoretical High Energy Physics from Assam Don Bosco University, where I graduated as class valedictorian. Alongside UMGC I lead tutorials at JGU Mainz across the theoretical physics core, from mathematical methods through quantum field theory, and I begin doctoral research in quantum gravity there this autumn.

My teaching rests on one conviction: a formula you can only reproduce is a formula you do not yet own. I want students to see why a method works, and I have found that patience and clear first-principles reasoning carry almost anyone through material they were told was beyond them.

I am a member of the American Physical Society and a lifetime member of the Indian Association of Physics Teachers.

Outside class, I have built a magneto-optical trap and measured the pion's lifetime on a Swiss beamline. Ask me about either.

PRONOUNS

he, him, his

SUBJECT AREAS

Physics
Mathematics
Statistics
Astronomy

EDUCATION

MSc, Mathematical Physics, Johannes
Gutenberg University, Mainz
MSc, Theoretical High Energy Physics, Assam
Don Bosco University
BSc, Physics, Chemistry & Mathematics,
Christ University

TEACHING LOCATIONS

Wiesbaden Military Community, Germany

EMAIL

shubham.kumar@faculty.umgc.edu



UNIVERSITY OF MARYLAND
GLOBAL CAMPUS in Europe