

Download How To Study As A Mathematics Major

It covers every aspect of studying as a mathematics major, from tackling abstract intellectual challenges to interacting with professors and making good use of study time. Part 1 discusses the nature of upper-level mathematics, and explains how students can adapt and extend their existing skills in order to develop good understanding. Every year, thousands of students in the USA declare mathematics as their major. Many are extremely intelligent and hardworking. However, even the best will encounter challenges, because upper-level mathematics involves not only independent study and learning from lectures, but also a fundamental shift from calculation to proof. How to Study as a Mathematics Major. The author, now a Senior Lecturer in the Mathematics Department at Loughborough University in the U.K., has a Ph.D in mathematics education from Warwick University and has also taught at Rutgers University in the U.S. She gives her own experiences as an undergraduate who struggled at first... Explores how to engage with the academic content of a mathematics major. Covers aspects of university life separate from mathematics. Designed to help students to recognize and reflect on their own experiences and to anticipate, articulate and overcome the challenges they encounter. Unique subject-specific study guide for mathematics students.