Science and Mathematics Education Center (SMEC)

Director: Amin, Tamer
Professors: BouJaoude, Saouma; Jurdak, Murad
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Assistant Professors: Amin, Tamer; El-Mouhayar, Rabih; Khishfe, Rola

The overall mission of the Science and Mathematics Education Center is four-fold:

• to conduct and support quality research on the teaching and learning of science and mathematics at the pre-school, elementary, and secondary levels;
• to contribute to the development of quality science and mathematics teaching and research professionals;
• to design and provide ongoing professional development for science and mathematics teachers in Lebanon and abroad;
• to effect a positive influence on the quality and status of school science and mathematics education locally, regionally, and internationally.

The center currently accomplishes its mission through the performance of a variety of functions including, but not limited to:

• designing and teaching science and mathematics education courses for pre-service teachers and master’s level graduate students in cooperation with the Department of Education
• designing and conducting research on teaching, learning, and teacher professional development in science and mathematics
• designing and developing instructional materials in science and mathematics for students and teachers
• maintaining a current science and mathematics curriculum library for use by pre-service and in-service teaching professionals
• providing outreach consultation in science and mathematics education for schools, institutions, and governments regarding curriculum design, the design of instructional environments, methods of evaluation, and professional development for teachers
• providing in-service professional development for teachers and subject-matter coordinators through special courses, workshops, institutes, conferences, or through participation in professional development initiatives sponsored by AUB or other institutions and organizations.
University Preparatory Program (UPP)

Director: Harkous-Rihan, Samar
Lecturer: Harkous-Rihan, Samar
Instructors: Harake, Rima; Ghaith, Nadin

The University Preparatory Program (UPP) is a unit within the Faculty of Arts and Sciences. Its main objective is to address the specific English language needs of students who have completed high school with strong academic records but are unprepared to function in all-English curricula at the university level.

The UPP also offers an Intensive English Summer Course for newly admitted graduate students coming from outside AUB who have not fulfilled the English Language Requirement. This course aims at enabling these students to function effectively in all-English curricula.

**UPGR 001 Intensive English Summer Course for Graduate Students** 0 cr.
This course is a graduate level intensive English course (10 contact hours) designed to equip participants independent of their disciplines with the requisite English language skills and competencies for success in their graduate studies at AUB. **Pre-requisites:** 475-499 on the EEE, or 550-572 on the paper-based TOEFL (or 213-229 on the computer-based TOEFL or 81-87 on the internet-based TOEFL), or 6.0-6.5 on the IELTS.