

How spread is the collaboration of the UP-Math UGM?

The improvements of the UP-Math UGM quality are also done by sustaining and increasing the collaboration with various institutions in Indonesia and abroad. The Department of Mathematics has a commitment with South East Asian Mathematical Society (SEAMS) to organize a mathematical conference once in four years. Moreover, some research collaborations are done with UNESCO, ICTP (Italy), ASEA-UNINET (Europe), DAAD (Germany), Univ. Graz (Austria), NTU (Singapore), University of Delft, University of Twente, Tilburg University (Netherlands), Heinrich Heine University (Germany), Konkuk University (Korea), dan Nagoya University (Japan). The Department of Mathematics UGM is active in conducting CIMPA School and SEAMS School by collaborating with CIMPA and SEAMS.

To strengthen the cooperation with universities in Indonesia, all of academic staffs of the UP-Math UGM join as members of the Indonesian Mathematical Society (IndoMS). There are also collaborations with many institutions in Indonesia such as Sardjito Hospital (Yogyakarta), Indonesian Actuary Association (PAI), Gama Techno, etc.



How big is the probability of the graduate of the UP-Math UGM to get the job?

In UP-Math UGM the students are given some competencies such that after graduate from UP-Math UGM, they can work as academics and can also have a job in various area, for instance actuary, some profession in IT and telecommunication area, banking, insurance, industries, and government instancies.

Many alumni work abroad, for example in Singapore, Hongkong, United States, and Australia.

The graduates of UP-Math can also continue their study in various university in Indonesia and abroad.

What is the student's life in the campus?

To know how dynamic is the UP-Math student's life in campus, it can be seen from their activities in the mathematical student association called HIMATIKA (Himpunan Mahasiswa Matematika). The Information about activities in HIMATIKA can be found at <http://himatika.fmipa.ugm.ac.id>.

UGM provides various facilities for students to improve their talent in art and sport. The UP-Math also give chance for students to participate in the national and international mathematical competition such as OSN Pertamina, ON MIPA, ISOM, and IMC.



HIMATIKA's Charity Activity



National Mathematical Olympiad for Senior High School and Junior High School



HIMATIKA's Social Activity

The Admission Information

can be seen via website: <http://um.ugm.ac.id>.

Secretariat of Admission:

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Secretariat

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Undergraduate Programme of Mathematics Universitas Gadjah Mada

Mathematics is a language of real problem, so the word of 'mathematics' is not merely related with number. There are many branches of mathematics which are studied in Undergraduate Programme of Mathematics Universitas Gadjah Mada (UP-Math UGM). This study programme is an appropriate media for self-development, particularly in improving logic and analysis capability. Moreover, it is also an appropriate media to use mathematics for solving daily problems, such as on problems related with telecommunication, finance, banking, insurance, biology, health, coding, control, stability, optimization, and others.

What are the subjects and how long?

Various subjects of lectures are provided and designed by the UP-Math UGM to improve the logical thinking, the analysis capability, and the skill of mathematical application in real problems. There are some subject classifications: Analysis and Geometry, Algebra and Discrete Mathematics, Statistics, Computer Science, and elementary knowledge of Biology, Chemistry, and Physics. The curriculum of UP-Math UGM also gives a chance for students to learn some other subjects of other programs or faculties in UGM.

The Bachelor of Science degree (in Bahasa: Sarjana Sains/S.Si.) can be obtained after the student completes courses at least 144 credits (104 credits from compulsory courses and at least 40 credits from elective courses). The curriculum of UP-Math UGM gives a chance for students to take elective courses which are equivalent with certification of PAI (Indonesian Actuary Association).

Even though the curriculum is arranged such that it can be finished by the student for eight semesters (four years), it is possible to complete study for less than eight semesters. For further information about the UP-Math UGM can be seen in the UP-Math UGM's website:

<http://s1math.fmipa.ugm.ac.id>.

What are the facilities?

The lectures activities in UP-Math UGM are supported by good physical facilities. For searching of references such as books and journals, one may use facilities in Library of Mathematics Department, Library of FMNS, and Library of University. Moreover, for doing laboratory activities related with some courses, Department of Mathematics provides Laboratory of Mathematical Computation which is equipped with mathematical software.



Laboratory of
Mathematical Computation



Lecture Room



Laboratory Activity

How are the quality of the academic staffs?

Based on their competencies, 35 academic staffs in UP-Math UGM are classified into four laboratories, i.e. Laboratory of Algebra, Laboratory of Analysis, Laboratory of Applied Mathematics, and Laboratory of Mathematical Computation. Among 35 academic staffs, there are 21 staffs with doctoral degree, 8 staffs are still in doctoral program, and some staffs are preparing to take doctoral program.

The academic staffs in UP-Math UGM actively develop their competencies by doing researches and having contribution both in national and international seminars/conferences.

List of Academic Staffs in UP-Math UGM

1. Prof. Dr. Sri Wahyuni, S.U.
2. Prof. Dr.rer.nat. Widodo, M.S.
3. Prof. Dr. Ch. Rini Indrati, M.Si.
4. Prof. Dr. Supama, M.Si.
5. Prof. Dr. Salmah, M.Si.
6. Dr.rer.nat. Indah Emilia Wijayanti, S.Si., M.Si.
7. Dr. Diah Junia Eksi Palupi, S.U.
8. Dr.rer.nat. Lina Aryati, M.S.

9. Dr. Budi Surodjo, M.Si.
10. Dr.rer.nat. Ari Suparwanto, M.Si.
11. Dr. Sumardi, M.S.
12. Atok Zulijanto, S.Si., M.Si., Ph.D.
13. Dr. Indarsih, S.Si., M.Si.
14. Imam Solekhudin, S.Si., M.Si., Ph.D.
15. Dr. Aditya Ronnie E., S.Si., M.Si., M.Sc.
16. Dr. Fajar Adi Kusumo, S.Si., M.Si.
17. Dr.rer.nat. Yeni Susanti, S.Si., M.Si.
18. Dr. Solikhatus, S.Si., M.Si.
19. Dr. Al. Sutjijana, M.Sc.
20. Dr. Irwan Endrayanto, S.Si., M.Sc.
21. Dr. Nanang Susyanto, S.Si., M.Sc.
22. Sutopo, S.Si., M.Si.
23. Drs. Yusuf, M.A.Math.
24. Dwi Ertiningsih, S.Si., M.Si.
25. Umi Mahnuna Hanung, M.Si.
26. Nur Khusnussa'adah, S.Si., M.Sc.
27. Uha Isnaini, S.Si., M.Sc.
28. Hadrian Andradi, S.Si., M.Sc.
29. Dewi Kartika Sari, S.Si., M.Sc.
30. Noorma Yulia Megawati, S.Si., M.Sc.
31. Zenith Purisha, S.Si., M.Sc.
32. Rudi Adha Prihandoko, S.Si., M.Si.
33. Ari Dwi Hartanto, S.Si., M.Sc.
34. Sekar Nugraheni, S.Si., M.Sc.
35. Iwan Ernanto, S.Si., M.Sc.

The UP-Math UGM commits to improve quality of teaching-learning, research, and community services. In teaching and learning process, the academic staffs innovate their teaching and learning system by Student Centered Learning (SCL). They are also active to do research in their competencies and published their research results in some national and international conferences or journals. Some academic staffs have role in mentoring teacher or high school students in preparing the national or international mathematical olympiads.