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| 1. Course title: History of mathematics | | | | | |
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| 2. Code: | | 3. Type (lecture, practice etc.): lecture | | | |
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| 4. Contact hours: 2 hoursper week | | 5. Number of credits (ECTS): 2 | | | |
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| 6. Preliminary conditions (max. 3): | | | | | |
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| 7. Announced: fall semester,  spring semester, both | | | | | |
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| 8. Limit for participants: | | | | | |
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| 10. Responsible teacher (faculty, institute and department):  László Tóth, PhD (Faculty of Sciences, Institute of Mathematics and Informatics, Department of Mathematics) | | | | | |
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| 11. Teacher(s) and percentage: | | László Tóth, PhD | | 100 % | |
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| 12. Language:English | | | | | |
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| 13. Course objectives and/or learning outcomes:  Objectives: The lecture intends to introduce students to the concepts of the history of mathematics.  Learning outcomes: students completing the course will have *knowledge* on history of mathematics, and vocabulary in the topic. They will be *able* to apply the corresponding properties, they will have a *competence* of evaluating new mathematical results. Their positive *attitude* towards innovative methods in mathematics will increase significantly. | | | | | |
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| 14. Course outline     1. Mathematics in ancient times. 2. Mathematics in Egypt and Babilon. 3. The Greek Mathematics. 4. The life and work of Euclid, Apollonios, Archimedes, Diophant. 5. Mathematics in the middle ages. 6. The development of geometry. 7. The development of analysis. 8. The development of algebra. 9. The development of number theory. 10. The life and work of Leibniz and Newton, 11. The life and work of Fermat, Euler, Gauss. 12. Mathematics in modern times. 13. Mathematics in Hungary. | | | | | |
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| 15. Mid-semester works  Attending lectures is highly recommended. | | | | | |
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| 16. Course requirements and grading  Written exam is based on lectures, accessible electronic sources and lecture materials.  Grades:  0–39% fail  40–54% acceptable  55–69% average  70–84% good  85–100% excellent | | | | | |
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| 17. List of readings   1. An electronic textbook is available from the lecturer. | | | | | |
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| 18. Recommended texts, further readings   1. John Stillwell, Mathematics and Its History. | | | | | |
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| **Date** | 8 May, 2017 | **Prepared by** |  | | |
| László Tóth, PhD  responsible teacher | | |
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| **Endorsed by** | | |  | | |
| László Tóth, PhD  program supervisor | | |