June 05, 2025 Kotaro Yamada kotaro@math.sci.isct.ac.jp

## Class Schedule (2025, 2Q): Advanced Topics in Geometry B1 (MTH.B406)

| Date       | Contents   |
|------------|--|
| June 13.   | 1. Non-euclidean geometry                                |
| June 20.   | 2. Surfaces of constant Gaussian curvature               |
| June 27.   | 3. Pseudospherical surfaces and asymptotic Chebyshev net |
| July 04.   | 4. A construction of pseudospherical surfaces            |
| July 11.   | 5. Hilbert's theorem                                     |
| July 18.   | 0. cancelled   |
| July 25.   | 6. Surfaces in Lorentz-Minkowski space                   |
| August 01. | 7. Realization of the hyperbolic space                   |
|            |  |

- This schedule is as of June 05, 2025, and will be subject to be modified.
- The class on July 18 will be cancelled.