

May 21st, 2026

**2026 Screening Examination for International Master's Program in Civil Engineering,
Graduate School of Engineering, Kyushu University:**

Date: Monday, June 1st, 2026

Venue: Room 319, West 2 Building, Ito Campus, Kyushu Univ.

Time Table:

08:45 Assembling in Room 319

09:00 Written Examination I (Mathematics) (90min.)

10:50 Written Examination II (Engineering subjects) (90min.)

12:20 Lunch

14:15 Assembling in Room 924, which is assigned after the written exam.

14:30 *Oral Examination (approx. 15min. Per candidate)

*No oral examination will be conducted for students belonging to International undergraduate program in civil engineering of Kyushu University. Instead, students belonging to International undergraduate program in civil engineering of Kyushu University are required to submit a one-page A4 paper containing their reason for applying and research plan. The format of the paper is flexible, and it must be submitted on the day of the examination along with the signature of their prospective supervisor.

Main Contents of Written Exam. for Each Subjects

Each subject will ask questions about the basics and applications of the following keywords.

[Mathematics]

1) Calculus

Ordinary differentiation, Partial differentiation, Taylor series expansion, Integration, Area integration, Volume integration

2) Linear algebra

Inner and outer products of vectors, Determinants, Eigenvalues and eigenvectors, Diagonalization of matrices

3) Differential equations

First-order linear differential equations, Second-order linear differential equations, Wave equations, Diffusion equations, Partial Differential Equations

4) Probability and Statistics

Permutations and Combinations, Random Variables, Probability Distributions, Populations, Samples, and Statistics, Estimation and Testing

[Engineering Subjects]

1) Structural Mechanics: 1 question with sub-questions

- Equilibrium of truss structure, Statically determinate structure (beam, rigid frame and column structure), Statically indeterminate structure (Castigliano's theorem)

2) Hydraulics: 1 question with sub-questions

- Hydrostatic pressure, Bernoulli's theorem, Momentum theorem, Pipe flow

3) Soil Mechanics: 1 question with sub-questions

- Physical properties of soils, Compaction, Consolidation and Settlement, Seepage and Groundwater Flow, Shear strength of soils, Earth pressure, Slope stability, Bearing capacity

4) Concrete Engineering: 1 question with sub-questions

- Cement, aggregates and admixtures, Fresh and hardened properties, Durability and deterioration, Fundamentals of reinforced concrete

5) Planning Theory: 1 question with sub-questions

- Transportation survey, Modal split, Network assignment, Road traffic flow

6) Environmental System Engineering: 1 question with sub-questions

- Natural environmental system, Environmental policy
- Environmental aquatic chemistry, Water/wastewater treatment, Transport phenomena

(You have to select 3 subjects from the 6 engineering subjects listed above when you submit the application form)

Things to Bring for Written Exam.

i) pencils and eraser

ii) watch

iii) examination card

Your mobile phones / smart phones will not be allowed to use for time keeping.

Emergency contact number on the day of examination

092-802-3366

Contact e-mail address

g30_csue_eng@doc.kyushu-u.ac.jp

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