

TA POSTINGS WINTER 2021

MIME 209 Mathematical Applications

Instructor: Mainul Hasan

TA - Tutoring/Other: 1 at 38 hrs

Duties: Preparation and leading of tutorials, managing the myCourses site. **Requirements:** Must have successfully completed MIME 209 with at least an A-. **Work dates:** 2021-01-04 to 2021-04-13

MIME 212 Engineering Thermodynamics

Instructor: JinHyuk Lee

TA - Marking/Tutoring/Other: 1 at 49 hrs

Duties: Preparation and leading of tutorials, assistance in preparation of midterm and final exams.

Requirements: Requires good knowledge of thermodynamics (both theory and practice), public speaking ability, good communication skills. Must have previously taken this course or equivalent and preferably have been a teaching assistant for this course. Past TA duties must include marking and tutoring. **Work dates:** 2021-01-04 to 2021-04-13

MIME 260 Materials Science and Engineering

Instructor: Stephen Yue

TA - Marking/Tutoring: 1 at 18 hrs

Duties: Preparation and leading tutorials, meeting with students, invigilation of exams.

Requirements: Must have previously taken this course and must preferably have previously been a teaching assistant for this course. Past TA duties must include marking or tutoring. **Work dates:** 2021-01-04 to 2021-04-13

MIME 260 Materials Science and Engineering

Instructor: Florence Paray

TA – Demoing/Marking/Tutoring/Other: 2 at 40 hrs

Duties: Lab preparation, leading lab work demonstration, grading laboratory reports, and invigilation of exams.

Requirements: Requires public speaking ability and preferably has held TA position in laboratory work for MIME 260. Open to Surface Science and Engineering graduate students only. Previous experience in tutoring, demoing and marking.

Work dates: 2021-01-04 to 2021-04-13

MIME 262 Properties of Materials in Electrical Engineering

Instructor: Kirk Bevan

TA - Marking/Tutoring/Other: 1 at 20 hrs

Duties: Preparation and leading of tutorials. **Requirements:** Requires public speaking ability. Must have taken a similar control course and be familiar with its overall objectives. Should have experience with Matlab. Should have previously taken an electronic materials course and/or have previously been a teaching assistant for this course. Past TA duties must include tutoring. **Work dates:** 2021-01-04 to 2021-04-13

MIME 290 Industrial Work

Instructor: Hani Mitri

TA: 1 at 16 hrs

Duties: This TA posting is for MIME 290, 291, 392, 494 and 495. Duties include correspondence with students via email and MyCourses, uploading course material and entering grades. **Requirements:** Past TA duties must include marking or other. *Please note that given the current circumstances, this course will be taught remotely/online. The TA will be required to prepare and deliver material suited to a remote/online teaching environment using a virtual learning platform [e.g., Zoom, WebEx] and the McGill MyCourses learning management system. **Work dates:** 2021-01-04 to 2021-04-13

MIME 311 Modelling and Automatic Control

Instructor: Kirk Bevan

TA - Marking/Tutoring/Other: 1 at 20 hrs

Duties: Preparation of and leading tutorials. **Requirements:** Must have taken a similar control course and be familiar with its overall objectives. Should have experience with Matlab. Should have previously taken this course and/or have previously been a teaching assistant for this course. Past TA duties must include tutoring. Requires public speaking ability. Open to Computer- aided Modeling graduate students only. Past TA duties must include tutoring. **Work dates:** 2021-01-04 to 2021-04-13

MIME 322 Rock Fragmentation

Instructor: Alessandro Navarra

TA - Marking/Tutoring/Other: 1 at 28 hrs

Duties: Tutorial preparation, leading tutorials and writing questions. **Requirements:** Requires public speaking ability. Open to Rock Mechanics graduate students only. Must have previously taken this course and must preferably have previously been a teaching assistant for this course. Past TA duties must include tutoring. **Work dates:** 2021-01-04 to 2021-04-13

MIME 323 Rock and Soil Mass Characterization

Instructor: Ferri Hassani

TA - Demoing/Tutoring/Other: 1 at 49 hrs

Duties: Running tutorials and labs demonstrations, lab preparation. **Requirements:** Requires public speaking ability. Open to Rock and Soil Mass Characterization graduate students only. Must have previously taken and preferably have been a teaching assistant for MIME 323. Past TA duties must include marking, lab demoing. **Work dates:** 2021-01-04 to 2021-04-13

MIME 325 Mineral Industry Economics

Instructor: Mustafa Kumral

TA - Demoing/Marking/Tutoring/Other: 1 at 20 hrs

Duties: Preparation of and leading tutorials. **Requirements:** Requires public speaking ability. Open to graduate students with Mineral Economics background only. Must have previously taken and preferably been a teaching assistant for this course. Past TA duties must include marking, demoing and conducting tutorials. **Work dates:** 2021-01-04 to 2021-04-13

MIME 333 Materials Handling

Instructor: Agus Pulung Sasmito

TA - Demoing/Marking/Tutoring/Other: 1 at 65 hrs

Duties: Preparation and leading of tutorials. Able to provide french translation of assignment questions, midterm and final exam. Preparation of designs and assistance in design lab. Grading of designs. Office hours. **Requirements:** Must be a Mining Engineer with the knowledge of materials handling systems. Requires public speaking ability. Language requirement: must be bilingual (French/English) with ability to translate. Must

have previously taken and have previously been a teaching assistant for this course. Past TA duties must include marking, demoing and leading tutorials. **Work dates:** 2021-01-04 to 2021-04-13

MIME 341 Introduction to Mineral Processing

Instructor: Kristian Waters

TA - Demoing/Marking/Tutoring/Other: 2 at 53 hrs each

Duties: Lab preparation and demonstration lab work, grading Lab reports. Office Hours for students. French translation. **Requirements:** Must be familiar with Mineral Processing principles. Requires public speaking ability. Open to graduate students with Mineral Processing research experience only. Must have previously taken this course or equivalent and must have previously been a teaching assistant for this course. Past TA duties must include laboratory demonstration, grading and translation. **Work dates:** 2021-01-04 to 2021-04-13

MIME 442 Analysis, Modelling and Optimization in Mineral Processing

Instructors: Kristian Waters & Alessandro Navarra

TA - Tutoring/Other: 1 at 32 hrs

Duties: Preparation of and leading tutorials. Office hours for students. **Requirements:** Requires public speaking ability. Open to Mineral Processing graduate students only with grinding and flotation modelling familiarity. Must have previously taken this course or equivalent and preferably have been a teaching assistant for this course. Past TA duties must include leading tutorials and tutoring. **Work dates:** 2021-01-04 to 2021-04-13

MIME 452 Process and Materials Design

Instructor: Sidney Omelon

TA - Marking/Tutoring/Other: 2 at 60 hrs

Duties: Responsible for maintaining MyCourses - posting lectures, assignments and monitoring student progress with course instructors. Grading of 4 assignments. Assists in final evaluations, maintains schedule for student groups. **Requirements:** Must have previously taken this course or equivalent and preferably have been a teaching assistant for this course. Past TA duties must include marking, experience on myCourses. **Work dates:** 2021-01-04 to 2021-04-13

MIME 455 Advanced Process Engineering

Instructor: Roderick I.L. Guthrie

TA – Tutoring/Other: 1 at 20 hrs

Duties: Preparation and leading of tutorials. **Requirements:** Must be specialized in the field of transport phenomena with particular emphasis on heat and mass transfer, a working knowledge of exact and approximate solutions to partial differential equations. Computing skills with emphasis on programming in FORTRAN and other high-level languages. Knowledge of both the implicit and explicit finite difference schemes to solve different equations is essential. Must have previously taken this course or equivalent. Must have preferably been a teaching assistant for this course. Past TA duties must include supervision of students, tutoring, leading tutorials. **Work dates:** 2021-01-04 to 2021-04-13

MIME 456 Steelmaking and Steel Processing

Instructor: Roderick I.L. Guthrie

TA - Tutoring/Other 1 at 31 hrs

Duties: Preparation of and leading tutorials. **Requirements:** Requires public speaking ability. Must have previously taken this course or equivalent and be familiar with course content. Must preferably have been a teaching

assistant for this course. Past TA duties must include tutorial prep and tutoring. **Work dates:** 2021-01-04 to 2021-04-13

MIME 473 Introduction to Computational Materials Design

Instructor: Jun Song

TA - Demoing/Marking/Tutoring/Other: 1 at 35 hrs

Duties: Provide technical support in tutorials to help students resolve issues when running computer simulations in Windows, Mac or Linux environments. Grading of course related assignments. Invigilation of midterm. **Requirements:** Requires public speaking ability. Open to Computer-aided Modeling graduate students only who have previously taken MIME 573 and preferably have been a teaching assistant for MIME 573. Past TA duties must include demonstration, tech support. **Work dates:** 2021-01-04 to 2021-04-13

MIME 559 Aluminum Physical Metallurgy

Instructor: Mihriban O. Pekguleruz

TA - Demoing/Tutoring/Other: 1 at 24 hrs

Duties: Help with and supervise the experimental and analytical work needed for the projects. **Requirements:** Must have previously taken this course or equivalent and must preferably have previously been a teaching assistant for this course or equivalent. **Work dates:** 2021-01-04 to 2021-04-13

MIME 512 Corrosion and Degradation of Materials

Instructors: Jun Song & George Demopoulos

TA - Marking/Tutoring/Other: 1 at 67 hrs

Duties: Conducting tutorials. Assisting a project presentation, providing office hours to meet students, compiling marks. **Requirements:** Must have previously taken or have an equivalent corrosion/electrochemistry course experience. Must preferably have previously been a teaching assistant for MIME 512. Past TA duties must include marking, tutoring, leading tutorials.

Work dates: 2021-01-04 to 2021-04-13

MIME 565 Aerospace Metallic-Materials and Manufacturing Process

Instructor: Richard Chromik

TA - Marking/Tutoring/Other: 1 at 46 hrs

Duties: Grading homework, consults with students, attending presentations. **Requirements:** Requires public speaking ability. Open to Aerospace graduate students that have previously taken course and must preferably have previously been a teaching assistant for this course.

Work dates: 2021-01-04 to 2021-04-13

MIME 580 Additive Manufacturing Using Metallic and Ceramic Materials

Instructor: Mathieu Brochu

TA - Demoing/Marking/Tutoring/Other: 1 at 50 hrs

Duties: Provide office hours for students. Run the experimental part needed for the project. **Requirements:** Requires public speaking ability. Must have previously taken MIME 580 or equivalent. **Work dates:** 2021-01-04 to 2021-04-13