

物質科学英語 3a
English for Materials Scientists 3a Course Syllabus and Schedule

English for Materials Scientists 3a

授業の目的・概要 / **Course Objective**

時間割コード : **9C0023**

単位数 : 2 単位

開講時期 : 夏学期<集中>9月14日~18日 1限・2限・3限

Proficiency in communicating in English in general, and about science in particular, comes from both knowledge and practice, and this course emphasizes both. By participating in LEGO® Serious Play® workshops, students will examine general principles of good discussion skills, as well as the principles associated specifically with scientific research team discussions. The topics students discuss will be drawn from their diverse backgrounds and research interests.

学習目標 / Learning Goals

This course will use the LEGO® Serious Play® method, an innovative, experimental process designed to enhance innovation and communication. This method is a unique way to facilitate meetings, communication and problem solving. The goal is to help students tap into hidden potential, and foster creativity. By participating in LEGO® Serious Play® workshops on various scientific topics, students will develop skills in conversation conventions, and subsequently improve their ability to have discussions on science topics in general and their areas of research in particular. Students will actively participate as they problem solve together, all while having fun in an environment that encourages free idea generation.

特記事項 / Special Note

Each student will receive a LEGO® Serious Play® that has been specially designed for this process. They will build models and share their ideas. Due to the ongoing COVID-19 pandemic, this course will be conducted online using Zoom.

授業計画 / Class Plan

Date	Activity
Monday September 14	LEGO® Serious Play® workshop: Module 1
Tuesday September 15	LEGO® Serious Play® workshop: Module 2
Wednesday September 16	LEGO® Serious Play® workshop: Module 3
Thursday September 17	LEGO® Serious Play® workshop: Module 4
Friday September 18	LEGO® Serious Play® workshop: Module 5

成績評価 / Grading Policy

1. Participation in the five LEGO® Serious Play® workshops: $5 \times 13\% = 75\%$
2. A final project using LEGO® bricks to be presented in the final workshop: 25%

教科書・教材 / Textbooks / Course Materials

A LEGO® Serious Play® Windows Exploration Kit will be provided by the instructor and sent to each student's home.



LEGO® Serious Play®

The LEGO® Serious Play® Process:

Four Steps:

1. Task: You are asked a question, or given a problem to solve
2. Build your answer
3. Share your ideas/model
4. Reflect / Q&A

Instructor Information:

Mark D. Sheehan

Certified LEGO® Serious Play® Facilitator

