

オンラインシラバス 高校1年生 インターナショナルコース(AG)

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教科	科目	コース	授業時間	担当者
国語	現代の国語／言語文化	AG	4	宮田／高橋

到達目標
①現代思想を理解し、その実践として諸現象を思想からのアプローチによって構造的に理解する力を養う。 ②文章を多角的にとらえた上で自分の意見を構築する力を養う。 ③表現の機微を敏感に捉える力を育成する。 ④要旨や主題を捉え、それに対し自分の意見を持つ訓練を通じて論文を書く素養を身につける。

授業の進め方・学習方法
○全体授業を基本とし、担当者2人が週2時間ずつ担当する。 ○本文のわかりにくい部分を自分の言葉で説明することを繰り返し実践していく。 ○要旨や主題を捉え、それに対し自分の意見を持つ訓練を通じて論文を書く素養を身につける。 ○漢字語彙テストを行う。 ○扱った文章の主題に即してテーマを設定し、レポートを書き、また、プレゼンも行う。

授業スケジュール	
1学期	【評論】他者を理解すること 【評論】考える技術 【詩】サーカス
1学期中間試験	
1学期	【評論】水の東西 【評論】「美しさの発見」について 【小説】セメント樽の中の手紙 【小説】橋のたもとの老人
1学期期末試験	
2学期	【評論】自然との関係をとおして考える 【評論】空気を読む 【小説】羅生門 【小説】良識派
2学期中間試験	
2学期	【評論】「安くておいしい国」の限界 【評論】言葉についての新しい認識 【小説】夢十夜 【詩】私が一番きれいだったとき
2学期期末試験	
3学期	【評論】白 【評論】動的平衡としての生物多様性 【俳句】俳句十二句
学年末試験	

成績評価方法		
種別	割合(%)	評価基準など
定期試験	60	定期試験の結果を中心に、授業への取り組みや課題の状況、小テストの結果などを加味する。
レポート	0～40	
小テストなど	0～40	
授業での取り組み	0～40	

教科書・教材		
書名	出版社	備考
現代の国語	大修館書店	
言語文化	大修館書店	

参考書			
書名	著者	出版社	備考
入試の現代語600		文英堂	

担当者からのアドバイス
たくさんの文章を読んで、日本語読解能力、文章力を養っていきます。他者の考えを正確に理解すること、自分の考えを他者に正確に伝えることができることを目標としていきます。さまざまな文章を読んで、さまざまな考えに触れ、視野を広げていきましょう。

教科	科目	コース	授業時間	担当者
地理歴史	History	AG	3 hours / week	Cairns

到達目標
<p>This course is designed to introduce students to major historical events, persons, and ideas from roughly the decline of Rome until the mid-nineteenth century. Students will engage with the themes of continuity and change, cause and effect, and contrast and comparison to understand civilizations, transformative events, and empires across the globe. Students will learn to analyze and interpret historical sources and develop critical thinking skills to better understand history and our world.</p>

授業の進め方・学習方法
<p>Weekly lectures and readings. Each term will have regular homework assignments, reports, and presentations. Google Classroom will be used for materials and assignments.</p>

授業スケジュール	
1学期	The Expansive Realm of Islam The Byzantine Empire The Middle Ages
1学期中間試験	
1学期	The Mongols Sub-Saharan Africa: Kingdoms and Trade Connections State Building in the Americas
1学期期末試験	
2学期	Transoceanic Encounters - Age of Exploration The Protestant Reformation The Renaissance and Scientific Revolution
2学期中間試験	
2学期	Absolute and Constitutional Monarchies Spanish and North American Colonies The Atlantic Slave Trade Land Empires
2学期期末試験	
3学期	Islamic Land Empires The Enlightenment The American Revolution The French Revolution and Napoleonic Wars Latine American Revolutions
学年末試験	

成績評価方法		
種別	割合(%)	評価基準など
定期試験	60	Exams - 60% Coursework and Assignments - 30% Participation and Effort - 10%
レポート	20	
小テストなど	10	
授業での取り組み	10	

教科書・教材		
書名	出版社	備考
Traditions and Encounters: A Global Perspective on the Past	Jerry H Bentley et al	978-0-07-701-099-7

参考書			
書名	著者	出版社	備考

担当者からのアドバイス
<p>In order to hold fruitful and engaging discussions, students will be expected to complete all the textbook reading set beforehand. We will both share information and learn from one another. It will - I am sure - be a stimulating experience! I look forward to covering an exciting period of global history with you this year!</p>

教科	科目	コース	授業時間	担当者
数学	Algebra I	AG	4hrs/week	Korada

到達目標
The aim this year is to learn the fundamental techniques of algebra and apply these to real-world problems.

授業の進め方・学習方法
The course will consist of demonstrations of key points and examples by the teacher, followed by students working all practice problems from the relevant section of the textbook. Homework will be assigned each week for completion by the end of the week. A 50-minute term test will be conducted each term to help students prepare for examinations.

授業スケジュール	
1学期	Chapter A - Review of Fundamental Concepts of Algebra - A.1 Real Numbers and Their Properties - A.2 Exponents and Radicals - A.3 Polynomials and Factoring - A.4 Rational Expressions - A.5 Solving Equations - A.6 Linear Inequalities in One Variable
1学期中間試験	
1学期	Chapter 1 - Functions and Their Graphs - 1.1 Rectangular Coordinates - 1.2 Graphs of Equations - 1.3 Linear Equations in Two Variables - 1.4 Functions - 1.5 Analyzing Graphs of Functions - 1.6 A Library of Parent Functions - 1.7 Transformations of Functions - 1.8 Combinations of Functions: Composite Functions - 1.9 Inverse Functions - 1.10 Mathematical Modeling and Variation
1学期期末試験	
2学期	Chapter 2 - Polynomial and Rational Functions - 2.1 Quadratic Functions and Models - 2.2 Polynomial Functions of Higher Degree - 2.3 Polynomial and Synthetic Division - 2.4 Complex Numbers - 2.5 Zeros of Polynomial Functions - 2.6 Rational Functions - 2.7 Nonlinear Inequalities
2学期中間試験	
2学期	Chapter 3 - Exponential and Logarithmic Functions - 3.1 Exponential Functions and Their Graphs - 3.2 Logarithmic Functions and Their Graphs - 3.3 Properties of Logarithms - 3.4 Exponential and Logarithmic Equations - 3.5 Exponential and Logarithmic Models
2学期期末試験	
3学期	Additional AP topics SAT Preparation
学年末試験	

成績評価方法			
種別	割合 (%)	評価基準など	
定期試験	60	Midterm Exam 30%	
レポート	20	Final Exam 30%	
小テストなど	10	WebAssign/HW 20%	
授業での取り組み	10	Classwork 10%	
		Notebook 10%	

教科書・教材		
書名	出版社	備考
Precalculus, 11th Edition, Larson	Cengage Learning	

参考書			
書名	著者	出版社	備考

担当者からのアドバイス
Welcome to high school mathematics! Maths will be even more interesting and useful this year. At the start, we brush up the basics, but later on we learn how and where we use the topics in real. However, there will be a significant increase in the level of difficulty. In high school, you are expected to start being more responsible for your own mathematical progress. You need to be studying outside of class as much as is necessary for you to achieve your goals. In H1 Algebra I we will study the essentials of algebra, so it very important that you fully understand everything we study if you are to progress to future mathematics courses. If you feel you are struggling, please seek help early. My number one recommendation is to be attentive in class and practise for at least 1 hour every day, rather than cramming before the exam. Let's work hard and have a productive year. Let's work together and learn to love maths!

教科	科目	コース	授業時間	担当者
数学	Trigonometry	AG	3hrs/week	Espanto

到達目標
The aim this year is to learn the fundamental techniques of Trigonometry and apply these to real-world problems, and to prepare you for the AP Precalculus exam.

授業の進め方・学習方法
The course will consist of demonstrations of key points and examples by the teacher, followed by students working all practice problems from the relevant section of the textbook. Homework will be assigned each week for completion by the end of the week. Weekly quizzes will be conducted to help students prepare for examinations.

授業スケジュール	
1学期	Chapter 4 - Trigonometry - 4.1 Radian and Degree Measure - 4.2 Trigonometric Functions: The Unit Circle - 4.3 Right Triangle Trigonometry - 4.4 Trigonometric Functions of Any Angle
1学期中間試験	
1学期	Chapter 4 - Trigonometry (continued) - 4.5 Graphs of Sine and Cosine Functions - 4.6 Graphs of Other Trigonometric Functions - 4.7 Inverse Trigonometric Functions - 4.8 Applications and Models
1学期期末試験	
2学期	Chapter 5 - Analytic Trigonometry - 5.1 Using Fundamental Identities - 5.2 Verifying Trigonometric Identities - 5.3 Solving Trigonometric Equations
2学期中間試験	
2学期	Chapter 5 - Analytic Trigonometry (continued) - 5.4 Sum and Difference Formulas - 5.5 Multiple-Angle and Product-to-Sum Formulas
2学期期末試験	
3学期	Chapter 6 - Additional Topics in Trigonometry - 6.1 Law of Sines - 6.2 Law of Cosines - 6.3 Vectors in the Plane - 6.4 Vectors and Dot Products - 6.6 Trigonometric Form of a Complex Number
学年末試験	

成績評価方法		
種別	割合(%)	評価基準など
定期試験	60	Midterm Exam 30%
レポート	20	Final Exam 30%
小テストなど	10	WebAssign/HW 20%
授業での取り組み	10	Classwork 10%
		Notebook 10%

教科書・教材		
書名	出版社	備考
Precalculus, 11th Edition, Larson	Cengage Learning	

参考書			
書名	著者	出版社	備考

担当者からのアドバイス
Welcome to high school Mathematics! The content will be even more interesting and useful this year. You need to be studying outside of class as much as is necessary for you to achieve your goals. In H1 Trigonometry we will study the essentials of trigonometry, so it is very important that you fully understand everything for you to do well in future mathematics courses. If you feel you are struggling, please seek help early.My number one recommendation is to study a little bit each day, rather than cramming before the exam.Let's work hard and have a productive year.Best of luck and let's learn to love maths !

教科	科目	コース	授業時間	担当者
理科	Integrated Science	AG	2 Hours/Week	Punzalan

到達目標
Integrated Science is a high school laboratory class. In this course, students are guided through advanced experiments to acquire academic, scientific and literary skills required to prepare them for university-level scientific courses.

授業の進め方・学習方法
Each laboratory session will be 2 hours long and will be composed of a theoretical and practical aspect. Pre-lab research assignments will be given in advance of each lab session, and students are expected to write detailed reports on their research, progress and experimental findings each week.

授業スケジュール	
1学期	Progress reports, discussions, experiments, etc. in each research team. 1st semester midterm exam will not be held
1学期中間試験	
1学期	Progress reports, discussions, experiments, etc. in each research team. 1st semester final exam will not be held
1学期期末試験	
2学期	Progress reports, discussions, experiments, etc. in each research team. 2nd semester midterm exam will not be held
2学期中間試験	
2学期	Progress reports, discussions, experiments, etc. in each research team. 2nd semester final exam will not be held
2学期期末試験	
3学期	Progress reports, discussions, experiments, etc. in each research team. Group Poster Project
学年末試験	

成績評価方法		
種別	割合(%)	評価基準など
定期試験	100%	There will be no midterm or term-end tests. The entire grade will be continuously assessed and based on the quality of written and reported work.
レポート		
小テストなど		
授業での取り組み		

教科書・教材		
書名	出版社	備考
Science and Our Daily Life		

参考書			
書名	著者	出版社	備考

担当者からのアドバイス
Welcome to Integrated Science! Be safe when conducting your experiments, make sure to ask your teacher first before doing anything. Be curious and have fun learning science.

教科	科目	コース	授業時間	担当者
理科	Introductory Chemistry	AG	2 hrs/week	Tsang

到達目標

This class will give students a solid foundation in chemistry, building on what they learned in middle school. The course will also prepare students to take the AP level Chemistry class in H2.

授業の進め方・学習方法

Most classes will consist of a teacher-led lecture followed by student discussion and investigation of the concepts learned in class. Students will further develop their knowledge of the chemical sciences through small projects, worksheets, and frequent assessments.

授業スケジュール

1学期	Section 1 : Introduction to Chemistry ・What is matter? ・Chemical & physical properties/changes ・Subatomic particles ・Isotopes Section 2 : Structure of Atoms ・Atomic theory ・The Bohr Model ・The Schrodinger (orbital) Model of the atom ・Electron configurations Section 3 : Periodic Table Properties ・Periodic table trends ・Effective nuclear charge, electronegativity, and reactivity trends
1学期中間試験	
1学期	Section 4 : Bonding ・Ionic vs. covalent vs. metallic bonding ・Differences between ionic and covalent compounds ・Drawing Lewis structures Section 5 : Intermolecular Forces ・VSEPR Theory ・Molecular geometry ・Polar vs. non-polar molecules ・Types of intermolecular forces ・How intermolecular forces influence properties of different substances
1学期期末試験	
2学期	Section 6 : Stoichiometry ・Significant figures ・Mole concept ・Balancing chemical equations ・Oxidation numbers ・Predicting reaction products Section 7 : Naming chemical compounds ・Ionic compounds ・Covalent compounds
2学期中間試験	
2学期	Section 6 : Stoichiometry (continued) ・Redox reactions ・Limiting reagents and theoretical yield ・Molarity Section 8 : Thermochemistry ・Determining the enthalpy change of reactions ・Entropy ・Gibbs Free Energy equation
2学期期末試験	
3学期	Section 9 : Basics of Chemical Kinetics & Equilibrium ・Collision theory ・Activation energy ・Equilibrium constant K ・Le Chatelier's Principle ・ICE Table Section 10 : Acids & Bases/Equilibrium ・What is an acid/base? ・Strong vs. weak acids ・Calculating pH ・Acid-base equilibria ・Determining the Ka of an acid
学年末試験	

成績評価方法

種別	割合(%)	評価基準など
定期試験	60	Besides the midterm and final exams, much of your grade will be based on homework completion (20%), your notebooks (10%), and in-class assessment (10%).
レポート (homework)	20	
小テストなど	10	
授業での取り組み	10	

教科書・教材

書名	出版社	備考
Chemistry: Atoms First 2e		https://openstax.org/details/books/chemistry-atoms-first-2e

参考書

書名	著者	出版社	備考

担当者からのアドバイス

・Listen carefully in class.
 ・Submit your homework ON TIME. (late homework will not receive credit).
 ・If you don't understand something, come for help straight away. The class content builds on itself over time, so if you don't understand the basics, you will have a hard time in later classes.

教科	科目	コース	授業時間	担当者
英語	English Reading I	A/G	5 hours / week	Kirkham

到達目標

A course of study developing the skills of interpreting novels and poetry, with particular emphasis on theme and textual analysis. The students will also study reading and writing skills to support preparation for examinations.

授業の進め方・学習方法

Activities in class will be content-driven and the methods in which the content is studied will be wide-ranging, from teacher-centered lecture style classes to group activities, individual research, and study activities.

Typically, the content studied each term will be centered on English in use (in literature, poetry, and informational texts), along with supplementary components of vocabulary building and grammar skill-building.

Assessment in the class will consist of both formative and summative assessments, formal and informal. Students' skills of reading, writing, speaking, and listening will each be assessed each term through written essays, tests, presentations, and participation in group discussions and activities.

授業スケジュール

1学期	<p>Of Mice and Men by John Steinbeck</p> <p>1. Identifying themes 2. Text as social critique</p> <p>Point of learning: How does the writer use characters to engage readers with themes? How has the American Dream shaped American society?</p> <p>Poetry by Theodore Roethke</p>
1学期中間試験	
1学期	<p>A Raisin in the Sun by Lorraine Hansberry</p> <p>1. Social constraints 2. Dramatic techniques</p> <p>Point of learning: What are the various social constraints that the characters experience? How does the author use dramatic techniques to tell the characters' stories?</p> <p>Poetry by Gwendolyn Brooks</p>
1学期期末試験	
2学期	<p>The Awakening by Kate Chopin</p> <p>1. Symbolism in the text 2. Thematic response</p> <p>Point of learning: Why do symbols exist in novels? Why is knowledge important?</p> <p>Poetry by Edna St. Vincent Millay</p>
2学期中間試験	
2学期	<p>A Streetcar Named Desire by Tennessee Williams</p> <p>1. Mental disorder, delusion 2. Characterization</p> <p>Point of learning: When does imagination cross the line into mental delusion? How does the author reveal the personalities and inner workings of the characters?</p> <p>Poetry by Emily Dickinson</p>
2学期期末試験	
3学期	<p>Death of a Salesman by Arthur Miller</p> <p>1. Dreams and reality 2. Theories of drama</p> <p>Point of learning: How does drama contrast reality and dreams? How is this a new type of drama?</p> <p>Poetry by Walt Whitman</p>
学年末試験	

成績評価方法

種別	割合(%)	評価基準など
定期試験	60	Assessment in the class will consist of both formative and summative assessments; formal and informal. Students' skills of reading, writing, speaking, and listening will each be assessed each term through written essays, tests, presentations, and participation in group discussions and activities.
レポート		
小テストなど	35	
授業での取り組み	5	

教科書・教材

書名	出版社	備考
Of Mice and Men		
A Raisin in the Sun		
The Awakening		
A Streetcar Named Desire		
Death of a Salesman		

参考書

書名	著者	出版社	備考

担当者からのアドバイス

Make sure that you keep track of what happens in the books you are studying. Study hard and enjoy your reading!

教科	科目	コース	授業時間	担当者
英語	English Writing	AG	2hrs/week	Rowland

到達目標
<p>The aim of this course is for students to explore and apply conventions of fiction and non-fiction writing, with an emphasis on writing coherent and focused prose with well-defined perspectives, tightly reasoned arguments and an awareness of audience and purpose.</p> <p>The majority of these pieces will be thematically linked to the literature studied in English Reading class. Students will examine and produce writing according to the conventions of personal narratives, research papers and descriptive, persuasive, cause and effect, and argumentative essays.</p>

授業の進め方・学習方法
<p>Activities in class will be content-driven and the methods in which the content is studied will be wide-ranging, from teacher-centered lecture-style classes to group activities, individual research, and study activities.</p> <p>Typically, the content studied each term will be centered on English in use (in literature, poetry, and informational texts), along with supplementary components of vocabulary building and grammar skill-building.</p> <p>Assessment in the class will consist of both formative and summative assessments, formal and informal. Students' skills of reading, writing, speaking, and listening will each be assessed each term through written essays, tests, presentations, and participation in group discussions and activities.</p>

授業スケジュール	
1学期	Personal Narrative - How do we tell the stories of our lives? Narrative / Descriptive Writing Language Focus: Sentence structure
1学期中間試験	
1学期	Dreams vs. Reality - How do our dreams conflict with reality? Discursive / Exploratory writing Language Focus: Thesis statements
1学期末試験	
2学期	Divided Selves - Who are your public and private selves? Persuasive Writing Language Focus: Paragraph structure
2学期中間試験	
2学期	Performative Action - What roles do you play in your life? Argumentative Writing Language Focus: Using evidence
2学期末試験	
3学期	Rebels - How can rebels teach us how to live more freely? Research Project Language Focus: Commentary
3学期末試験	

成績評価方法		
種別	割合 (%)	評価基準など
定期試験		Homework Presentations Class Participation
レポート	60	
小テストなど	40	
授業での取り組み		

教科書・教材		
書名	出版社	備考

参考書			
書名	著者	出版社	備考

担当者からのアドバイス
<p>Read in English as much as you can! Although this is a writing course, you should seek out sources of as many different genres and styles of writing as you can (in newspapers, magazines, books and online) in order to learn from good quality examples.</p> <p>Always complete your homework on time and to the best of your ability. Organise your time effectively, and don't leave writing your essays until the last minute.</p> <p>Don't be afraid to ask questions, and enjoy your studies!</p>

教科	科目	コース	授業時間	担当者
英語	Media Communications	AG	2hrs/week	Halloran

到達目標

This course is designed to help you recognize, describe, and use various types of media. We will also work to build the skills necessary to identify and analyze the arguments embedded in all media. We will look at a variety of media in order to become aware of the principles, myths, and techniques in media, as well as terms and concepts that will help us with analysis.

Over the course of the year you will understand that:

- Media messages are crafted, constructed representations of reality.
- Each mass medium has unique techniques used to influence audiences.
- Different audiences experience and interpret the same media message differently.
- Media messages reach and influence large audiences in short periods of time.
- Media have embedded values and points of view.
- Media are primarily businesses driven by a profit motive.

In addition, you will be able to answer the following questions:

- Within a given medium, how do various embedded patterns, templates, symbols, and structures define, support, and enhance media messages?
- How do the media affect us as individuals?
- How do the media affect us as communities?
- How might we be manipulated by mass media?
- How does one judge the effectiveness of media techniques?
- Does the media reflect social values or determine them?

授業の進め方・学習方法

Participation is a key component to success in this class. You should expect to contribute fully to class and group discussions. Due to the long-term nature of many of the projects and assigned readings, effective time management is crucial. You should schedule daily time to read and write for this course.

授業スケジュール

1学期	Iconography Media types: Comics, Magazines, Film Focus: Signs and Symbols, Denotation and Connotation
1学期中間試験は実施しない	
1学期	Advertising Part 1 Media Types: Print (Publicity, Trains, Billboards) Focus: Power, Gender, Consumerism
1学期期末試験	
2学期	Advertising Part 2 Media Types: Moving Images (Film, News Media, Commercials, Video Games) Focus: Co-option and Recuperation, Consumerism, Race
2学期中間試験は実施しない	
2学期	The Music Industry Media type: Music Videos, YouTube Focus: Representation and Identity, Body Image, Interpersonal Relationships
2学期期末試験	
3学期	Celebrity Media Types: Film, News, TV, Social Media Focus: Hero Worship, Ideology, Hegemony
学年末試験	

成績評価方法

種別	割合(%)	評価基準など
定期試験	60	Timed Essays Reflections
レポート		Posters Videos
小テストなど	30	Research projects Presentations
授業での取り組み	10	Homework Essays

教科書・教材

書名	出版社	備考

参考書

書名	著者	出版社	備考

担当者からのアドバイス

Written assignments are expected to be well polished, edited, and reviewed well ahead of time. Do not attempt to complete essays or reflections just before the deadline. Keep an open mind and a keen eye on the world around you!