

## オンラインシラバス 高校3年生 インターナショナルコース(AG)

AG 小論文	2
AG 倫理	3
Macroeconomics II	4
History	6
Calculus BC	7
English Reading	10
English Writing	11
Advanced Literature	12
Media Communications III	13
Cultural Theory	14
Political Science	15
地理総合	16

教科	科目	コース	授業時間	担当者
国語	小論文	AG	2	沖野

到達目標
1> 大学入試における多様な小論文問題に関して、2年次までの学習を踏まえ、その傾向や解法を理解する。 2> 小論文の叙述に関して、学習者各々の受験先に応じた課題文読解力、文章構成力、文章叙述力を身に付ける。 3> 現代文における記述問題に関して求められる、記述解答の要素抽出、解答の構成、叙述力を確認し習得する。

授業の進め方・学習方法
表現の授業ゆえに「書くこと」「話すこと」の活動の比重が増す。授業中に指示された提出物は期限内に仕上げることを心がける。また、表現能力を高めるためには、読解力や情報を整理する力が必要であることから、授業だけではなく、日頃からあらゆる分野の情報に接し、自分自身の考えを持てるようにしてほしい。

授業スケジュール	
1学期	小論文頻出テーマ別 新型コロナウイルス・国際問題
1学期中間試験は実施しない	
1学期	小論文頻出テーマ別 政治・経済・環境
1学期期末試験は実施しない	
2学期	小論文頻出テーマ別 科学技術・情報通信・教育
2学期中間試験は実施しない	
2学期	小論文頻出テーマ別 医療・健康・福祉・社会
2学期期末試験は実施しない	
3学期	
学年末試験は実施しない	

成績評価方法		
種別	割合(%)	評価基準など
定期試験		定期試験は実施しないため、毎回の論文添削で主に評価します。 提出期限の遅れは減点対象。 期限までに数回の書き直しに自ら臨んだ生徒は、最終的な作品で評価します。
レポート	0~100	
小テストなど		
授業での取り組み	0~100	

教科書・教材		
書名	出版社	備考
ワークで覚える小論文頻出テーマジャンル別キーワード90	桐原書店	

参考書			
書名	著者	出版社	備考

担当者からのアドバイス
自分の考えていることや感じたことを正確に文字や文章として表現する訓練をします。細部に宿る表現の繊細さに感覚をひらきましょう。同時に、書くことを通して論理的な思考を鍛えます。クラスメイトや自分自身と対話を重ねながら、意見を相対化して、「自分とはどんな人間なのか」「自分は何を学びたいのか」という核の部分の書き上げをしていきましょう。

教科	科目	コース	授業時間	担当者
国語	現代文演習	AG	2	沖野・宮田

到達目標
1> 大学入試における多様な問題に関して、その傾向や解法を理解する。 2> 学習者各々の受験先に応じた課題文読解力、文章構成力、文章叙述力を身に付ける。 3> 日本語の理解、日本文化の理解を深められる文章を読み進める。

授業の進め方・学習方法
AGの生徒は日本語で学ぶ最後の機会になる生徒もいるので、自国の文化を深めたり、日本語の理解を深めたりする最後の機会にもなるので、入試問題を通して、様々な文章に触れ、理解を深められるように演習・解説を中心に授業を進めていく。

授業スケジュール	
1学期	共通テストレベルの文章問題の演習・解説
1学期中間試験は実施しない	
1学期	共通テストレベルの文章問題の演習・解説、私立大学の入試問題(青山学院等)の演習・解説
1学期期末試験は実施しない	
2学期	受験校に合わせた入試問題演習と解説
2学期中間試験は実施しない	
2学期	受験校に合わせた入試問題の演習と解説
2学期期末試験は実施しない	
3学期	
学年末試験は実施しない	

成績評価方法		
種別	割合(%)	評価基準など
定期試験		定期試験は実施しないため、毎回の授業の取り組みで評価します。 提出期限の遅れは減点対象。 週に1回漢字テストを実施し、平常点として加点します。
レポート	0~80	
小テストなど	0~20	
授業での取り組み	0~80	

教科書・教材		
書名	出版社	備考
オリジナルプリント		
入試漢字コア2800	桐原書店	

参考書			
書名	著者	出版社	備考

担当者からのアドバイス
多くの文章を通して、筆者の考えや日本人の価値観を知ることが心がかげましょう。問題を解くことも出題者の意図を考える勉強です。ただ単に点数が取れることを目的とするのではなく、出題者の意図を理解することを意識しましょう。

教科	科目	コース	授業時間	担当者
地理歴史	地理総合	AG	1	釣田

#### 到達目標

- 1世界の各国の(自然・社会環境を空間的にイメージできる、知識・能力を習得する。
- 2世界の環境に対する、サステナブルな考え方・姿勢を身につける。
- 3系統地理学の地形・気候・植生・産業・文化について、グローバルな視点で学びを深める

#### 授業の進め方・学習方法

- ・日本語で授業を実施します。授業中は、教科書・地図帳PCを随時使用します。
- ・授業中に配布するプリントに学習内容を書き込みながら、知識・能力の習得に取り組みます。
- ・質疑応答や作業学習の多い授業となります。積極的に表現・発言してください。

#### 授業スケジュール

1学期	1 ヨーロッパの生活・文化 2 EUと農業政策 3 ロシアの生活・文化 4 ウクライナとロシア
1学期中間試験は実施しない	
1学期	5 アングロアメリカの生活・文化 6 アメリカ合衆国
1学期期末試験	
2学期	7 ラテンアメリカの生活・文化 8 オーストラリアの生活・文化
2学期中間試験は実施しない	
2学期	9 グローバル化と多様化で起こる諸問題 10 民族対立 11 本当の持続可能な社会とは
2学期期末試験	
3学期	
学年末試験は実施しない	

#### 成績評価方法

種別	割合(%)	評価基準など
定期試験	60	定期試験を中心に、小テスト、提出物の状況を平常点として加味して評価していく。
レポート	~40	
小テストなど	~40	
授業での取り組み	~40	

#### 教科書・教材

書名	出版社	備考
高校生の地理総合	帝国書院	

#### 参考書

書名	著者	出版社	備考

#### 担当者からのアドバイス

地球上で起きている「今」を地理の知識をベースに理解していきましょう。あらゆる単元から「イメージを膨らませ、他の知識に繋げる」ことを意識しましょう。そして、地域や社会に貢献できる地球人としての君自身の可能性を大きく広げていきましょう。

教科	科目	コース	授業時間	担当者
社会	倫理	AG	2	釣田

到達目標
<ul style="list-style-type: none"> <li>・青年期における自己形成と人間としての在り方や生き方について理解と思索を深めさせるとともに、自己の確立を促し、良識ある公民としての必要な能力と態度を育てる。</li> <li>・哲学や宗教を学ぶことによって多角的・多面的なものの見方を身に付けるとともに、現代の諸課題について主体的に考察し、公正に判断できる力を養う。</li> </ul>

授業の進め方・学習方法
<ul style="list-style-type: none"> <li>・プリントを用いて講義形式で授業を行う。単元ごとに小テスト、テーマに応じたディスカッションを適宜行う。</li> </ul>

授業スケジュール	
1学期	<ul style="list-style-type: none"> <li>・人間性の特質</li> <li>・自己の理解に向けて</li> <li>・適応行動と防衛機制</li> <li>・アイデンティティの確立</li> <li>・神話から哲学へ</li> <li>・自然哲学の誕生とソフィスト</li> </ul>
1学期中間試験(実施しない)	
1学期	<ul style="list-style-type: none"> <li>・ソクラテスの思想</li> <li>・プラトンの思想</li> <li>・アリストテレスの思想</li> </ul>
1学期期末試験	
2学期	<ul style="list-style-type: none"> <li>・ユダヤ教</li> <li>・キリスト教</li> <li>・イスラーム教</li> <li>・古代インドの思想</li> <li>・仏教</li> </ul>
2学期中間試験(実施しない)	
2学期	<ul style="list-style-type: none"> <li>・生命倫理</li> <li>・環境倫理</li> <li>・現代の諸課題</li> </ul>
2学期期末試験	
3学期	
学年末試験は実施しない	

成績評価方法		
種別	割合(%)	評価基準など
定期試験	60	定期試験を中心に、小テスト、提出物の状況を平常点として加味して評価していく。
レポート	~40	
小テストなど	~40	
授業での取り組み	~40	

教科書・教材		
書名	出版社	備考
新倫理	清水書院	

参考書		
書名	出版社	備考
フランスの高校生が学んでいる10人の哲学者	草思社	

担当者からのアドバイス
受動的に授業を受けるのではなく、主体的に参加するようにしましょう。授業内容を自分のこととして学ぶことで、自らの人生の指針につながります。

教科	科目	コース	授業時間	担当者
社会	Macroeconomics	AG	3	Huang

到達目標
Students will prepare to take the Macroeconomics AP Exam, which will involve learning about monetary systems, aggregate supply and demand, and fiscal policy.

授業の進め方・学習方法
Lectures, Notes, Quizzes

授業スケジュール	
1学期	Part 1: Basic Economic Concepts Part 2: Economic Indicators and the Business Cycle 1学期中間試験
1学期	Part 2: Economic Indicators and the Business Cycle (cont.) Part 3: National Income and Price Determination 1学期期末試験
2学期	Part 4: The Financial Sector 2学期中間試験
2学期	Part 5: Long-Run Consequences of Stabilization Policies Part 6: Open Economy: International Trade and Finance 2学期期末試験
3学期	学年末試験は実施しない

成績評価方法		
種別	割合(%)	評価基準など
定期試験	60	
Notes	30	
小テストなど	10	

教科書・教材		
書名	出版社	備考
Principles of Economics - Mankiw	10th	

参考書			
書名	著者	出版社	備考

担当者からのアドバイス
-Please communicate with me often. I am happy to help if you have any questions! -Please focus on the note-taking for this class. The notes will be the key to getting a good score on the exams.

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

#### 到達目標

This course is a challenging survey course that explores the expansive history of the United States from the colonial era to the beginning of World War I. This course will give you a broad understanding of the key events and developments during this time period and placed within greater historical contexts. You will further develop your historical skills identifying causation, change and continuity over time, comparative analyses, and contextualization. In addition, you will analyze historical evidence, its purpose and intended audience, and use it to craft historical arguments.

#### 授業の進め方・学習方法

Weekly lectures and readings. There will be regular discussions on readings and individual research assignments.

#### 授業スケジュール

1学期	Peopling a Continent Colonial America The American Revolution The Early Republic	1学期中間試験
1学期	The War of 1812 Jackson and the Rise of Mass Democracy	1学期期末試験
2学期	Manifest Destiny and the Move West The Civil War Reconstruction	2学期中間試験
2学期	The Gilded Age and Forging an Industrial Nation Empire, Expansion, and Progressivism	2学期期末試験
3学期		学年末試験は実施しない

#### 成績評価方法

種別	割合(%)	評価基準など
定期試験	60	Exams - 60% Coursework - 30% Discussion Participation and Effort - 10%
レポート	15	
小テストなど	15	
授業での取り組み	10	

#### 教科書・教材

書名	出版社	備考
The American Pageant, AP® Edition, 17th Edition	Cengage	

#### 参考書

書名	著者	出版社	備考

#### 担当者からのアドバイス

Review lecture notes and handouts regularly. Participate in class and ask questions frequently.

教科	科目	コース	授業時間	担当者
数学	Calculus BC	AG	5	Guennigsman

到達目標
The aim of the H3 AP Calculus BC course is for you to learn the fundamental techniques of differential and integral calculus, and to then use these techniques to solve real-world mathematics problems. Calculus is an essential tool for those students wishing to pursue a career in the sciences, particularly physics and engineering.

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.

授業スケジュール	
1学期	AP Calculus AB Exam Preparation Chapter 7 - Applications of Integration - 7.4 Arc Length and Surfaces of Revolution
1学期中間試験	
1学期	Chapter 8 - Integration Techniques - 8.1 Basic Integration Rules - 8.2 Integration by Parts - 8.5 Partial Fractions - 8.6 Integration by Tables and Other Integration Techniques - 8.8 Improper Integrals
1学期期末試験	
2学期	Chapter 9 - Infinite Series - 9.1 Sequences - 9.2 Series and Convergence - 9.3 The Integral Test and p-Series - 9.4 Comparisons of Series - 9.5 Alternating Series - 9.6 The Ratio and Root Tests - 9.7 Taylor Polynomials and Approximations - 9.8 Power Series - 9.9 Representation of Functions by Power Series - 9.10 Taylor and Maclaurin Series
2学期中間試験	
2学期	Chapter 10 - Conics, Parametric equations, Polar coordinates - 10.1 Conics and Calculus - 10.2 Plane Curves and Parametric Equations - 10.3 Parametric Equations and Calculus - 10.4 Polar Coordinates and Polar Graphs - 10.5 Area and Arc Length in Polar Coordinates
2学期期末試験	
3学期	
学年末試験は実施しない	

成績評価方法		
種別	割合(%)	評価基準など
定期試験	60	Exam results are 60% of the final grade, while the other 40% will come from homework, classwork (including quizzes and tests), and notebooks.
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
Calculus of a Single Variable, Larson 11e	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
In AP Calculus BC you will continue the calculus course you started in H-2. The basic concepts that you have already studied will be expanded upon and you will be expected to be able to apply the fundamental ideas to more challenging problems. If you feel like you're starting to fall behind, it is extremely important to come and see the teacher immediately. Let's have fun studying calculus!



教科	科目	コース	授業時間	担当者
英語	English Reading	AG	4 hours a Week	Syed

#### 到達目標

A course of study developing the skills of interpreting poetry and novels with particular emphasis on human behavior and motivation. 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, to 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 assessment; formal and informal. Students' skills of reading, writing, speaking and listening Each will 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	A Clockwork Orange by Anthony Burgess 1. The possibility of redemption 2. The relationship between individuals and the state  Poetry by Audre Lorde
1学期中間試験	
1学期	The Bloody Chamber by Angela Carter 1. Love and desire 2. Narratives and gender  Poetry by Timothy Donnelly
1学期期末試験	
2学期	Top Girls by Caryl Churchill 1. Women's role in society 2. The cost of ambition  Poetry by Simon Armitage
2学期中間試験	
2学期	V for Vendetta by Alan Moore & David Lloyd 1. Graphic storytelling 2. The purpose of literature  Poetry chosen by the students
2学期期末試験	
3学期	
学年末試験は実施しない	

#### 成績評価方法

種別	割合(%)	評価基準など
定期試験	60	Written examination In-class testing Class participation
レポート	40	
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
A Clockwork Orange by Anthony Burgess		
The Bloody Chamber by Angela Carter		
Top Girls by Caryl Churchill		
V for Vendetta by Alan Moore & David Lloyd		

#### 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 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	2 hours / week	Kirkham

#### 到達目標

This course examines rhetoric as the art of finding and analyzing all the choices involving language that a writer might make in a situation so that the text becomes meaningful, purposeful, and effective for readers. Through adaptation and emulation, we will seek to improve our own use and understanding of language.

#### 授業の進め方・学習方法

This course is designed to help you write effectively and confidently in college courses, as well as in your professional and personal lives. You should expect to discuss some aspect of writing or the writing process every lesson. Our study of writing will include works from a wide range of authors, genres, and styles. You will gain expertise in critically evaluating various points of view and how they relate thematically to the world in which we live.

Participation is a key component to success in this class. You should expect to contribute fully to class and group discussions.

#### 授業スケジュール

1学期	Term 1.1 – The Inhuman How can our humanity be diminished and how can we protect our humanity?
1学期中間試験	
1学期	Term 1.2 – Creativity and Authorship How do you regain and maintain agency over your own literary existence?
1学期期末試験	
2学期	Term 2.1 – Oppression How can you resist and replace the cycle of oppression while living in society?
2学期中間試験	
2学期	Term 2.2 – Community How can you find a community that will support, encourage, and protect you?
2学期期末試験	
3学期	
学年末試験は実施しない	

#### 成績評価方法

種別	割合(%)	評価基準など
定期試験		
レポート	55	Homework essays — 55%
小テストなど	20	Group presentations — 20%
授業での取り組み	5	Language focus assignments — 20%
		Participation — 5%

#### 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

We have a lot of material to study this year, so it is very important that you keep up with the course of study. If you find it difficult to keep up or are not sure about what is going on, please don't hesitate to ask your fellow students for help, or you reach out to me and I will be more than happy to help you.

教科	科目	コース	授業時間	担当者
英語	Advanced Literature	AG	2 hrs/week	Kirkham

到達目標
A course of study developing the critical skills of interpreting poetry and stories with particular emphasis on how forms of literature and the way that they engage with ideas such as the Self, the Other, Community, and Reality, develop over time, alongside essential 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, and individual research and study activities. We will be studying various forms of literature (poetry, prose and informational texts) along with supplementary components in order to build up students' vocabulary and grammar.
Assessment in the class will consist of both formative and summative assessment; 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	The Romantics Poetry and prose by Keats, Wordsworth and Shelley Religion, Nature and The Self Convention and the Romantics  Points of Learning: How can poetry inform an understanding of ourselves? What is the effect of context on an understanding of a text?  1学期中間試験
1学期	The Victorian Gothic Charles Dickens - The Signalman Ambrose Bierce - An Occurrence at Owl Creek Bridge Charlotte Perkins Gilman - The Yellow Wallpaper  Reality, Supernatural and Otherness Narrative and Reliability  Points of Learning: How can literature help us to define reality? What is the relationship between reader and narrative?  1学期期末試験
2学期	The Modernists William Faulkner – That Evening Sun Ernest Hemingway – The Three Day Blow John Steinbeck – The Chrysanthemums Katherine Mansfield - The Garden Party  Innocence, Experience and Transformation Conventions of Modernist Realism  Points of Learning: How do aspects of disadvantage affect the relationship between The Self and reality?  2学期中間試験
2学期	The Postmodern Selected short prose by John Barth, Sherman Alexie, Jamaica Kincaid, Angela Carter. Poetry by Carol Ann Duffy  Conflict, Identity and Self Representations of Reality  Points of Learning: What can a text reveal about the apparatus of colonialism and how have representations of reality developed over time?  2学期期末試験
3学期	学年末試験は実施しない

成績評価方法		
種別	割合(%)	評価基準など
定期試験		Written examination Homework In-class testing
レポート	60	
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

参考書			
書名	著者	出版社	備考

担当者からのアドバイス
We have a lot of material to study this year, so it is very important that you complete your homework on time and keep up with the course of study. Please don't hesitate to ask your fellow students for help, or you can come and speak to me in the teachers' room at any time and I will be more than happy to help you.

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

#### 到達目標

A course of study developing an understanding of the ways that we approach the interactions between cultural products and society. Students will learn to think about how they interact with advertisements, movies, literature, news reports and other socio-cultural products and also about their own development in the context of the culture they inhabit.

#### 授業の進め方・学習方法

Activities in class will be centered on extracts from texts by key thinkers in cultural theory. Once the students have established an understanding of a range of approaches to cultural products, they will be given opportunities to apply those ideas to texts and / or images through discussion.

Assessment will take the form of formal writing about text and / or image in the context of the theories approached. Examinations will also apply cultural theory to specific works.

#### 授業スケジュール

1学期	Repression and Liberation Students will encounter the ideas of Helene Cixous, Luce Irigaray, and Julia Kristeva Points of learning: How are our desires manifested in our behaviour in society? How might we approach a greater understanding of ourselves and of others?
1学期中間試験	
1学期	Authority and Creativity Students will encounter the ideas of Michel Foucault, Roland Barthes, Sandra Gilbert and Susan Gubar Points of learning: What do we base our identities on? How can we make sense of multiple and flexible identities?
1学期期末試験	
2学期	Going Sane Students will encounter the ideas of Michel Foucault, R D Laing, Gilles Deleuze and Felix Guattari Points of learning: What do we base our ideas of sanity on? How might we approach a greater understanding of ourselves and of others?
2学期中間試験	
2学期	Oppression and Resistance Students will encounter the ideas of Paulo Freire, Angela Davis, and Giorgio Agamben Points of learning: In what ways are individuals vulnerable to the controls of citizenship? How do cultural products maintain social imbalance through perpetuated stereotypes?
2学期期末試験	
3学期	
3学期末試験は実施しない	

#### 成績評価方法

種別	割合(%)	評価基準など
定期試験	60	Written examination Research essay Class participation
レポート	35	
小テストなど		
授業での取り組み	5	

#### 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

You are not required to purchase any books for this class. Make sure that you are clear about the ideas that are presented. Be prepared to express your own ideas by comparison with those you study. Study hard and enjoy thinking!

教科	科目	コース	授業時間	担当者
理科/英語	Science Writing	AG	1	Hatfield

到達目標
In this class, students will develop their ability to convey complex scientific concepts clearly and accurately to a broad audience through the precise use of language and strategic presentation of data. They will also hone their critical analysis skills as applied to science journalism and popular science writing, increasing their overall science literacy.

授業の進め方・学習方法
Throughout the course, students will examine how language is used to not only convey data but also to shape the narrative around it, thereby enabling them to more effectively assess the credibility of a given text. Students will work towards the goal of producing their own independent study project which achieves the aims being both complete (satisfactorily answering the question they set out to research), methodologically sound, and compelling.

授業スケジュール	
1学期	Methodology & Results and Analysis Students will focus on the technical elements of writing, which includes learning about a writing framework for a Scientific Research paper. Students will start the process of critically analyzing existing popular science research papers on topics related to current global issues.
1学期中間試験	
1学期	Literature Review Students will critically analyze an existing popular science text and provide a thoughtful review of the contents based on how complete, compelling it is, as well as how scientific, vs. narrative.
1学期期末試験	
2学期	Discussion and Application Students will analyze and discuss the information from their results. They will compare it to the literature they talked about in the literature review.
2学期中間試験	
2学期	Abstract, Introduction and Conclusion Students will review the work of their peers and revise their own until they have a polished treatment.
2学期期末試験	
3学期	
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		Assessment will be based on a variety of communication-based tasks including written reports, revision and oral presentations.
レポート	80	
小テストなど		
授業での取り組み	20	

教科書・教材		
書名	出版社	備考
Collected resources (research papers etc)		

参考書			
書名	著者	出版社	備考

担当者からのアドバイス
Due to the independent nature of this course, organization and effective time management will be essential to your success. Drafts must be completed by the set deadlines in order to ensure that peer editors have enough time to provide feedback.

教科	科目	コース	授業時間	担当者
理科/英語	Political Science	AG	2	Berry

到達目標
This course is focused on the field of international relations. We will explore international controversies through theory such as realism and liberalism that are essential to understanding the modern international order and its politics.

授業の進め方・学習方法
Classes are structured as lectures followed by discussion.

授業スケジュール	
1学期	Theories of International Relations; Globalization and Sovereignty.
	1学期中間試験
1学期	International Law; United Nations.
	1学期期末試験
2学期	Nuclear Proliferation; International Terrorism.
	2学期中間試験
2学期	Global Commons.
	2学期期末試験
3学期	
	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%	
Coursework	40%	

教科書・教材		
書名	出版社	備考
International Relations: Perspectives, Controversies & Reading	Cengage	Shimko, Keith

参考書			
書名	著者	出版社	備考

担当者からのアドバイス
Please complete any readings, assignments and work that are assigned.

教科	科目	コース	授業時間	担当者
理科	AP Biology	AG	5 hours/week	Gorniak

**到達目標**

This course follows the AP biology curriculum prescribed by College Board.

**授業の進め方・学習方法**

The class consists of theoretical, practical and laboratory work, done at the level of a university introductory course in biology. Those who complete this class will achieve a deeper understanding of biology, gain new experience in the lab, and have the opportunity to design and complete their own experiments. Students will be expected to do much of their study outside of class, and use the time in class to ask questions and learn new topics. There will be limited time for review in class, as it is fast-paced.

The syllabus below is designed based off of the AP Biology Course and Exam Description booklet.

授業スケジュール	
1学期	Unit 1: Chemistry of Life 1.1 Structure of water and hydrogen bonding 1.2 Elements of life 1.3 Introduction to biological macromolecules 1.4 Properties of biological macromolecules 1.5 Structure and function of biological macromolecules 1.6 Nucleic acids  Unit 3: Cellular Energetics 3.1 Enzyme structure 3.2 Enzyme catalysis 3.3 Environmental impacts on enzyme function 3.4 Cellular energy  Unit 2: Cell Structure and Function 2.1 Cell structure: sub-cellular components 2.2 Cell structure and function 2.3 Cell size 2.4 Plasma membranes 2.5 Membrane permeability 2.6 Membrane transport 2.7 Facilitated diffusion 2.8 Tonicity and osmoregulation 2.9 Mechanism of transport 2.10 Cell compartmentalization 2.11 Origins of cell compartmentalization
1学期中間試験	
1学期	Unit 4: Cell communication and Cell Cycle 4.1 Cell communication 4.2 Introduction to signal transduction 4.3 Signal transduction 4.4 Changes in signal transduction 4.5 Feedback  Unit 3: Cellular Energetics (continued) 3.5 Photosynthesis 3.6 Cellular respiration 3.7 Fitness
1学期期末試験	
2学期	Unit 4: Cell communication and Cell Cycle (continued) 4.6 Cell cycle 4.7 Regulation of cell cycle  Unit 5: Heredity 5.1 Meiosis 5.2 Meiosis and genetic diversity 5.3 Mendelian genetics 5.4 Non-Mendelian genetics 5.5 Environmental impacts on phenotype 5.6 Chromosomal inheritance  Unit 6: Gene Expression and Regulation 6.1 DNA and RNA structure 6.2 Replication 6.3 Transcription and RNA processing 6.4 Translation 6.5 Regulation of gene expression 6.6 Gene expression and cell specialization 6.7 Mutations 6.8 Biotechnology
2学期中間試験	
2学期	Unit 7: Natural Selection 7.1 Introduction to natural selection 7.2 Natural selection 7.3 Artificial selection 7.4 Population genetics 7.5 Hardy-Weinberg Equilibrium 7.6 Evidence of evolution 7.7 Common ancestry 7.8 Continuing evolution 7.9 Phylogeny 7.10 Speciation 7.11 Extinction 7.12 Variations in populations 7.13 Origin of life on earth
2学期期末試験	
3学期	(Optional)  Unit 8: Ecology 8.1 Responses to the environment 8.2 Energy flow through ecosystems 8.3 Population ecology 8.4 Effect of density of populations 8.5 Community ecology 8.6 Biodiversity 8.7 Disruptions to ecosystems
学年末試験は実施しない	

成績評価方法		
種別	割合(%)	評価基準など
定期試験	60	The midterm and final exams, as well as much of the class, will be based off of homework, in-class assessment, mini-projects, lab work, and the lab notebook.
レポート	0-40	
小テストなど	0-40	
授業での取り組み		

教科書・教材			
書名	出版社	備考	
Biology: The Unity and Diversity of Life, AP Edition	Cengage		

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.
- Complete your homework.
- If you don't understand something, come for help after school or during lunch.
- Constantly review the class content. Do not only review before a test. Do not cram!
- Read your textbook or watch Khan Academy videos if you need more exposure to class content.
- Submit your homework and lab notebooks on time for full credit.
- Write neatly in your lab notebooks and on quizzes/ tests.

教科	科目	コース	授業時間	担当者
理科	C: Electricity and	高 II 1年3組 AG	5hrs/week	Korada

**到達目標**  
The aim of this course will be for students to study in depth the principles of Electricity and Magnetism, and then to take the AP exam in the following May.

**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 most of the practice problems from the relevant section in the textbook. Homework will be assigned weekly for completion by the next scheduled week.

授業スケジュール	
1学期	AP Physics C: Mechanics exam preparation. Chapter 24 - Capacitance and Dielectrics - Capacitors and Capacitance - Capacitors in Series and Parallel 1学期中間試験
1学期	Chapter 24 - Capacitance and Dielectrics - Energy Storage in Capacitors and Electric-Field Energy - Dielectrics Chapter 26 - Direct-Current Circuits - Resistors in Series and Parallel - Kirchhoff's Rules - Electrical Measuring Instruments - RC Circuits Chapter 25 - Current, Resistance, and Electromotive Force - Current - Resistivity - Resistance - Electromotive Force and Circuits - Energy and Power in Electric Circuits 1学期期末試験
2学期	Chapter 27 - Magnetic Field and Magnetic Forces - Magnetism - Magnetic Field - Magnetic Field Lines and Magnetic Flux - Motion of Charged Particles in a Magnetic Field - Magnetic Force on a Current-Carrying Conductor - Force and Torque on a Current Loop Chapter 28 - Sources of Magnetic Field - Magnetic Field of a Moving Charge - Magnetic Field of a Current Element - Magnetic Field of a Straight Current-Carrying Conductor - Force Between Parallel Conductors - Magnetic Field of a Circular Current Loop - Ampere's Law - Applications of Ampere's Law 2学期中間試験
2学期	Chapter 29 - Electromagnetic Induction - Faraday's Law - Lenz's Law - Induced Electric Fields - Displacement Current and Maxwell's Equations Chapter 30 - Inductance - Mutual Inductance - Self Inductance and Inductors - Magnetic-Field Energy - The RL Circuit - The LC Circuit 2学期期末試験
3学期	Chapter 21 - Electric Charge and Electric Field - Electric Charge - Conductors, Insulators, and Induced Charges - Coulomb's Law - Electric Field and Electric Forces - Electric-Field Calculations - Electric Field Lines - Electric Dipoles Chapter 22 - Gauss's Law - Charge and Electric Flux - Calculating Electric Flux - Gauss's Law - Applications of Gauss's Law - Charges on Conductors Chapter 23 - Electric Potential - Electric Potential Energy - Electric Potential - Equipotential Surfaces - Potential Gradient 学年末試験は実施しない

成績評価方法		
種別	割合(%)	評価基準など
定期試験	60	Exam results are 60% of the final grade. 40% of the grade will come from quiz scores, homework assignments, and participation.
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
University Physics with Modern Physics, 15th Edition in SI units, Hugh D.Young and Roger A. Freedman	Pearson	Additional worksheets would be provided at the end of every term course. All the exams are conducted in a specially designed format with number of questions and time adjusted to AP exam.

参考書			
書名	著者	出版社	備考

**担当者からのアドバイス**  
Welcome back to high school physics! This year we will be using a high-level physics textbook to study Electricity and Magnetism. The textbook comes with lots of online resources, including an ebook, so we will be using computer most of the time. The course will be very challenging and interesting but it has the potential to help you to enter a science university course abroad. As H3 science students, you will be given both more freedom and more responsibility than you are used to. Study hard, have fun, help each other - it will be an exciting year.