Bellevue College

HIST 101: History of Civilization: Cultural Traditions

Winter 2014

This syllabus contains essential information about class policies, structure, etc. that are intended to help further students' learning in the class. It is your responsibility to be familiar with the syllabus. Make sure you read it!

Instructor: Dr. Brian Casserly

Office Hours: Mondays and Fridays, 10 – 11am; TWTh, 11am – noon; and by appointment. My office is in D-110 (the main Social Sciences office)

Contact Information:

brian.casserly@bellevuecollege.edu



"With the historian it is an article of faith that knowledge of the past is a key to understanding the present." Kenneth Stampp

"History is, in its essentials, the science of changel." Marc Bloch

"We learn from history that we never learn anything from history." Hegel

INTRODUCTION AND TEACHING PHILOSOPHY: INTRODUCTION:

Welcome to HIS 101! Welcome to HIST 103! Fundamentally, history involves the study of change and seeks to explain why these changes occur and how they have influenced human societies and cultures. For the rest of the quarter I look forward to working with you as we examine some of the major changes and developments in world history from pre-history to the post-classical era.

Over the course of the quarter we will learn the process of history, what it is that historians do and the kinds of skills that they use. This will involve studying major historical changes and developments to figure out why these occurred and what their significance was. We will explore primary sources, the tools that historians use to understand the past, such as archaeological remains, art, myth, literature and poetry, laws, letters, government documents, and religious writings to name just a few. We will also explore how historians construct interpretations and analyses of the past, i.e. secondary sources. We will learn to think critically about these sources and what they can tell us about the past and about the explanations that historians produce. We will also focus on learning how to develop strong analyses of historical evidence. It is important that we understand that interpretations of the past are not static. Professional historians expect that newly discovered artifacts, newly released documents and new approaches to studying history will change our perceptions of the past.

We will also be concerned with content. Between now and the end of the quarter we will explore the history of many different societies, nations and cultures around the world during the past two centuries. We will examine important events in the Near and Middle East, Africa, Asia, and Europe (not necessarily in that order) and the impact they had on the history of the world. We will focus largely (but not exclusively) on several main themes:

- The development of a variety of civilizations and cultures in terms of political and social structures, economies, religious and philosophic beliefs, gender relations, etc.
- Exchanges and interactions between different cultures and societies and how this shaped their development.
- The emergence of empires, and how military and political developments shaped world history.
- Humans' relationship with their environments and how this shaped their societies, economies, etc.

Your responsibility over the quarter is to attend and participate in class, complete all readings and assignments on time and become familiar with the key developments in world history as presented in the readings and class lessons. You will also be asked to develop skills in historical thinking, to learn how to analyze primary sources, to make arguments and interpretations from them, and to critically evaluate the interpretations that other historians have made. In addition, you will be working on your communication skills, especially in terms of writing.

This class meets daily. Class time will consist of lectures and analysis and discussion of primary source evidence and secondary source interpretations of historical developments. This is not a distance learning class! We will cover material during class meetings that is not covered in the books or readings and which is not available online. Some of this material will be included in exams, quizzes and other assignments. Regular attendance in class is required and is essential if you are to receive a passing grade.

Class materials are available through Canvas – log in to <u>http://bellevuecollege.edu/canvas/</u> and look for the link to HIST 101.



"A word of advice, Durk: It's the Mesolithic. We've domesticated the dog, we're using stone tools, and no one's naked anymore."

I am available to meet with you individually during my office hours (or by appointment) to discuss any questions or problems you may have about any aspect of the course. Feel free to drop by to talk about anything related to the course or history more generally. Outside of office hours, E-mail is the easiest way to contact me and during the regular work week I will usually respond to messages within 24 hours. I will not respond to e-mail as quickly on the weekends.

In accordance with Bellevue College policy and in order to comply with federal privacy laws, I can only communicate with you via e-mail though your Bellevue College e-mail accounts or Canvas's e-mail system. I will NOT reply to messages sent from non-college accounts, e.g. Gmail, Yahoo, Hotmail, etc. I reserve the right to make changes to any aspect of the course as I may see fit over the course of the quarter. It is each student's responsibility to regularly check the announcements and their e-mail in Canvas for possible changes.

LEARNING OUTCOMES ADDRESSED:

At the end of the course successful students should:

- Be able to explain the causes and consequences of the <u>major developments in world</u> <u>history</u> in the period covered by the class, and be able to explain the historic significance of those developments
- Have developed their skills in critical thinking and analysis in dealing with historical questions
- Have improved their writing skills and their ability to produce thesis-driven, evidencebased essays
- Have developed a familiarity with the historical backgrounds of a diversity of cultural traditions.

For a complete description of the course outcomes see http://bellevuecollege.edu/classes/All/HIST/101

HOW TO BE SUCCESSFUL IN HIST 101:

One of my goals for the class is to help you learn how to be successful college students, whether at Bellevue College or wherever you may transfer to. The skills necessary for college success are also those valued by employers, i.e. good work habits such as punctuality, attendance, respect for others, ability to collaborate effectively and ability to complete assignments fully, etc. The following guidelines about how to be successful as a student and in the work place are based on what I've observed as a student, an instructor, and as someone who has worked for both large and small corporations:

Ask questions

 Ask about anything you don't understand related to class topics, readings, or assignments. You are welcome to visit me during my office hours to discuss anything related to class or if you wish to talk about history as a discipline or major, or about college more widely. You can also make an appointment to meet with me if my office hours don't work for your schedule.

• Attendance and punctuality

- Come to class. Research shows that students who miss class tend to do significantly less well than those who come to class regularly, so attend all classes and actively participate in discussions. I will take attendance everyday – if you do not attend class you will not be able to receive credit for class attendance or participation.
- Be on time. Arriving late or leaving early is disruptive to the class and shows a lack of courtesy for your fellow students and myself. If you are late to class you will not receive credit for attendance that day. If you leave class early you will also not get attendance credit for that day. I will make exceptions for important off-campus commitments, but you must discuss this with me in advance.
- Class outlines are NOT available online and I do not provide them to students who miss class. If you are absolutely unable to attend a class, make sure you

obtain notes from a fellow student and make up all work covered during your absence.

• Be prepared to work hard

- You will need to demonstrate independent work habits and to be ready to work on class materials almost every day. You should expect to work at least two hours outside of class for each hour of class time.
- Take notes in class! What we focus on in class will be the subject of quizzes and exams and you will not be able to remember what we covered unless you take notes.
- Read all of the assigned readings when you are supposed to be reading them. Take notes as you read.
- You may occasionally find some of the readings for the class difficult due to their older style of language and/or the complex issues they raise. This is something that all historians have to grapple with and you should not get discouraged. Focus on trying to understand as much of the reading as possible and bring questions about it to class.

• Assignments

- Complete assignments and submit them on time at the beginning of class on the due date. Assignments and their due dates are noted in the course schedule. Because employers value timely completion of work and college is where you should be learning good habits for the workplace, late assignments will be penalized.
- Keep copies of all graded exams and papers returned to you.
- Hand in your own work. Academic dishonesty will not be tolerated. This includes cheating, copying and plagiarism (see the explanation of plagiarism later in this syllabus).

• Behavior and etiquette

- Your behavior in class must not interfere with the learning of other students.
- As a matter of respect towards myself and other students, and because there are a variety of expected behaviors that you will need to abide by while college students and when you enter the professional workforce, I expect you to behave with courtesy and respect toward everyone in the class. That means you must arrive to class on time and not engage in private conversations, texting, reading unrelated material, or other disruptive behavior in class.
- Laptop computers, tablets and other electronic devices should be used for class work only. If it's not being used for class-related work turn it off and put it away!
- Active participation in discussions means that sometimes there will be strong disagreement over issues and interpretations. I encourage you to challenge the ideas you hear in class, in the readings, and from other students but you must do so in a respectful and courteous manner. Keep your comments to the issues and the evidence NOT the person!
- For first time breaches of classroom etiquette you will receive a warning. If you continue to disrupt the class you will be asked to leave and may be reported to the college administration for possible disciplinary action.

Remember, coming to class, completing readings and written assignments on time, and thinking seriously about class topics and materials are the best ways of guaranteeing that you maximize your grade in the class.

REQUIRED READINGS:

The weekly reading assignments will be an important part of your learning experience. They will form the basis for our discussion in class and will allow us to investigate in greater depth issues that are raised in the textbook and class lectures. Students are responsible for completing all of the reading assignments (detailed in Canvas) on time. Material in the scheduled readings that is not covered during class meetings may still appear on exams, so make sure you read all that has been assigned. The following are the required books for the class:

- McKay, Hill, Buckler, Ebrey, Beck, Crowston, Wiesner-Hanks, <u>Understanding World</u> <u>Societies: A Brief History</u> (Bedford St. Martins, 2013) – clicking on the link will take you directly to the publisher's website where you can see the book required for the class. You could also use <u>Understanding World Societies</u>, <u>Volume I</u>.
- Gainty and Ward, <u>Sources of World History</u>, Volume I, to 1600 (Bedford St. Martins, second edition, 2012).

I have ordered the combined volume of Understanding World Societies, which is available from the college bookstore packaged with Sources of World History, i.e. the books come shrink-wrapped together. You may use other versions of the textbook (e.g. Volume I) that cover the time period the class focuses on.

- There are also additional readings available online these should be printed out and brought to class on the days they are scheduled for discussion.
- Copies of all of the books required for the class are on reserve at the <u>Library and Media</u> <u>Center</u>.
- I will announce in class and in Canvas which reading assignments you need to complete for the next class meetings. It is your responsibility to be aware of the reading schedule and to have completed the readings on time. You should be prepared to take quizzes based on the readings on Wednesdays, Thursdays or Fridays.
- I will assume that you have completed all of the assigned readings for the class on time each week. I will expect that you will use this material in completing papers, exams, guizzes and in-class assignments and will grade your work accordingly.
- I highly recommend that you make notes as you complete the readings and attend class. These will be very useful when it comes to completing the quizzes/homework and preparing for exams.
- As you read for class, you should think critically about the information you are encountering. By this I mean that you should be skeptical about what the authors have to say. For questions to consider as you examine primary and secondary sources, see <u>"Reading Primary Sources"</u> and <u>"Evaluating Secondary Sources"</u>.

To maximize the quality of discussions and the grades you get for class participation it is important that you complete all the readings that have been assigned for that week. You MUST bring the readings to class on the days we are scheduled to discuss them.

FOR THE SCHEDULE OF CLASS TOPICS, READINGS AND ASSIGNMENTS SEE THE MODULES SECTION IN THE CLASS SITE IN CANVAS.

ASSIGNMENTS AND GRADING:

To be successful in this course you will need to master the narrative of world history as presented in class and in the readings. In addition, you will be asked to think like historians and evaluate material critically so that you can make informed and intelligent interpretations and analyses. My job as the instructor is to help you acquire these skills and those you will need to write effective essays and exams.

The assignments for this class are intended to help you develop skills in critical thinking and effective writing. All written assignments (except those completed in-class) must meet my requirements for papers (available in the paper assignment instructions, which will be posted in the class site in Canvas). Papers must be submitted at the start of class on the day they are due. For due dates of assignments please see the Class Calendar. Late assignments will be penalized for each day they are late.

Your grade is based on a total possible score of 1,000 points for the quarter and will be determined by the following scale:

A = 950 - 1,000 points	B- = 800 - 839	D + = 670 - 699
A- = 900 - 950	C+ = 770 – 799	D = 620 - 669
B+ = 870 - 899	C = 740 - 769	F = under 620
B = 840 - 869	C- = 700 - 739	

Your grade in the class will be determined by the quality of your work on the following assignments:

- Quizzes/homework short writing assignments (150 points out of a total possible 1,000 points for the course). There will be six quizzes/homework assignments over the course of the quarter; your lowest score will be dropped. They will be based on the reading assignments and/or material covered in class for that particular week. They will either take place in class or I may ask you to complete a short (half page or so) writing assignment at home.
- **Midterm and Final Exams**. The midterm is worth 100 points and the final 150 points. Both exams will take place in class.
- Attendance and Participation in Discussion of Readings and Class Material (200 points). 100 points of your overall grade will be based on class attendance. You are allowed 3 unexcused absences from class over the quarter. For each additional absence (except in the case of documented illnesses or emergencies) your attendance grade will fall by 5 points. In addition, it is also each student's responsibility to actively participate in discussions of the readings and class materials. An additional 100 points of your overall grade for the class will be based on the **quality and frequency** of your participation in class discussions, as well as on other in-class work that I may assign. Make sure you bring the readings to class!
- Citing evidence assignment. This is worth 50 points.
- **Two papers**, the first is worth 150 points and the second 200 points of your overall class grade.

Class policy on assignments:

- All material covered in the readings, lectures, etc. is fair game for inclusion in exams, homework and quizzes.
- Completing and earning a passing grade on ALL assignments is necessary to pass the course as a whole.

- Your overall grade will be based on the assignments listed above.
- Late assignments will be penalized and I reserve the right not to accept them.
- There are no make-ups on exams or quizzes, except in cases of documented emergency.
- Cheating on exams or quizzes or plagiarizing on paper assignments will, at minimum, lead to a grade of zero on that assignment. See below for more details on plagiarism and cheating and how to avoid them.
- Grades for in-class discussion will be assigned as follows:
 A: You make insightful comments on the assigned readings or class materials.
 B: You demonstrate through more than one comment that you have completed and understood the readings.
 C: You make at least one pertinent, insightful comment on the readings.
 D: You make an effort to participate, but do not show that you have adequately thought about, understood and/or completed the readings.

F: You make no effort to engage in class discussions

- If you disagree with my assessment of your work, you should discuss this with me. Before you meet with me to discuss your grade, you must describe in writing why you disagree with my assessment. Please supply the original paper, quiz or exam with my comments and a description of why you feel the grade you received was not a fair evaluation of the quality of your work. After reevaluating your work I may decide to increase, decrease or leave your grade unchanged.
- Incomplete grades are only available for students who maintain a C average through Week 10 of the quarter and have completed all the assignments up to that point.

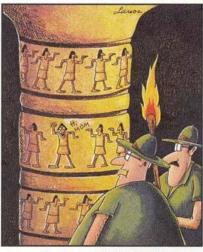
Remember, I am here to help you do as well as possible in the class – I am happy to meet with you to discuss how you can maximize the quality of your work.

PLAGIARISM AND ACADEMIC DISHONESTY:

Plagiarism involves the use of ideas or material which is not your own without giving proper credit to whoever created the idea/material. Examples of plagiarism would include cutting and pasting material directly from a website into a paper or assignment without citation, or taking an idea from a book or website and presenting it as your own, or having someone else write a paper for you and presenting it as your work. To avoid plagiarism you should keep the following in mind:

- 1. If you copy material word for word from another source you need to place that copied material in quotation marks "..." and provide a citation for it.
- Always provide a citation for ideas or material that you found on websites, books, articles, TV documentaries, etc. You should do this EVEN if you are not using the material from the source word for word.
- 3. All ideas and material that are not your own should be cited using the *Chicago Manual of Style* format. Information on providing citations for papers, interviews, etc. is available on the class website in Canvas.
- 4. You may not submit papers and assignments from other classes to meet assignment requirements for this course.

In the context of exams cheating involves the use of unauthorized notes or other resources (e.g. cellphones), copying from other students, the use of a surrogate exam taker, etc.



"Any theories on this, Cummings?"

I will not tolerate plagiarism or cheating and I will investigate suspected cases. In the event that I find instances of plagiarism or cheating I reserve the right to report the student to the college authorities for disciplinary action. At minimum, the student will receive a failing grade on the assignment. I also reserve the right to give students guilty of plagiarism or cheating a failing grade for the class as a whole. All ideas and material that are not your own should be cited using a consistent citation format.

The bottom line: ALL work submitted for the class must be your work only. If you have any concerns or questions about plagiarism or cheating, please discuss them with me.

AFFIRMATION OF INCLUSION:

Bellevue College is committed to maintaining an environment in which every member of the campus community feels welcome to participate in the life of the college, free from harassment and discrimination.

We value our different backgrounds at Bellevue College, and students, faculty, staff members, and administrators are to treat one another with dignity and respect.

DISABILITY ACCOMODATIONS:

The campus Disability Resource Center serves students with a wide array of learning challenges and disabilities. Please visit the DRC if you have any questions about classroom accommodations.

If you are a student who has a disability or a learning challenge for which you have documentation or have seen someone for treatment and if you feel you may need accommodations in order to be successful in college, please contact the DRC staff as soon as possible.

The DRC office is located in D-125 (inside the library) or you can call their reception desk at 425-564-2498. Deaf students can reach the DRC by video phone at 425-440-2025 or by TTY at 425-564-4110. Please visit their website for application information and other helpful links at www.bellevuecollege.edu/drc

Remember if you are someone who has either an apparent or non-apparent disability and requires assistance in case of an emergency situation, such as a fire, earthquake, etc., please meet with me to develop a safety plan within the first week of the quarter.

CLASS CANCELLATION:

Class will meet at all scheduled times unless otherwise noted. In the unlikely event that the college is closed due to inclement weather and/or other emergency conditions, classes will not meet and arrangements will be made to adjust the course schedule accordingly. If you believe the college may be closed because of inclement weather or emergency conditions, you should check the college website for a posted announcement.

A NOTE ABOUT COURSE CONTENT:

Since historians examine just about every aspect of human culture and societies, we sometimes talk about provocative or controversial material or issues that people may find disturbing. You may be confronted with subject matter that is difficult to read about, look at, discuss, or listen to. Please be advised that when we explore controversial topics, they will always be framed within an academic context. Keep in mind that you will still be responsible for any course material you miss if you choose not to participate because you feel uncomfortable with that material. If you have any questions or concerns about content or the class climate surrounding controversial material, feel free to speak with me about it.

MISCELLANEOUS:

Audio or video recording of the class is not allowed without my express permission.



Class Schedule

This schedule provides details of which readings and assignments you need to complete each week.

Week 1, January 6-12:

Introduction. Course Syllabus, assignments, etc. What is history? Why study world history? Early human development and societies, development of agriculture.

Reading:

- Class syllabus;
- Why Study History?;
- "Defining Primary and Secondary Sources";
- Watch Chimamanda Ngozi Adichie, "The Danger of a Single Story";
- Rael, "How to Read a Primary Source Document";
- Understanding World Societies, pages 2-27;
- Sources of World Societies, Documents 1-1, 1-2, 1-3, 1-4, 1-5, 1-6

Week 2, January 13-19:

Early middle-eastern civilizations

Reading:

Understanding World Societies, pages 28-55; Sources of World Societies, Documents 2-1, 2-2, 2-3, 2-4, 2-5, 2-6; Rael, <u>"The Three Parts of a History Paper"</u>; Bedford St. Martin's Guide to <u>Chicago Documentation Style</u>

Week 3, January 20-26:

Monday is the Dr. Martin Luther King, Jr. holiday – no class

Citing Evidence Assignment due in class on Friday

Early Indian and Chinese civilizations

Reading: Understanding World Societies, pages 56-101 Sources of World Societies, Documents 3-1, 3-2, 3-3, 3-4, 3-5, 4-1, 4-2, 4-3, 4-4, 4-5

Week 4, January 27-February 2:

Greece

Reading: Understanding World Societies, pages 102-127 Sources of World Societies, Documents 5-1, 5-2, 5-3, 5-4, 5-5

Week 5, February 3-9:

Thursday, February 6 – no class

MIDTERM EXAM on Wednesday, February 5

Rome

Reading Understanding World Societies, pages 128-155; Sources of World Societies, Documents 6-1, 6-2, 6-3, 6-4, 6-5, 6-6, 6-7

Week 6, February 10-16:

PAPER #1 due in class on Monday, February 10

East Asia, Buddhism

Reading: Understanding World Societies, pages 156-181; Sources of World Societies, Documents 7-1, 7-2, 7-3, 7-6, 7-7

Week 7, February 17-23

Monday, February 17 – No Class

Byzantine Empire, Growth of Christianity

Reading: Understanding World Societies, pages 182-207 Sources of World Societies, Documents 8-1, 8-2, 8-3, 8-4, 8-5, 8-7 Documents on the fall of Rome, Byzantine economy, etc. (available online)

Week 8, February 24-March 2:

The Rise of Islam

Reading: Understanding World Societies, pages 208-235 Sources of World Societies, Documents 9-1, 9-2, 9-3, 9-4, 9-6

Week 9, March 3-9:

Tuesday, March 4 – No Class

Africa

Reading: Understanding World Societies, pages 236-263 Sources of World Societies, Documents 10-1, 10-2, 10-3, 10-4, 10-5

Week 10, March 10-16:

The Americas, spread of Buddhism

Reading:

Understanding World Societies, pages 264-289 Sources of World Societies, Documents 7.6, 7.7, 11-1, 11-3, 11-4, 11-5, 11-6; watch the video on Cahokia at <u>http://www.youtube.com/watch?v=GAXBA2Pt9wE</u> and the video on Native American cultures at <u>http://www.scctv.net/play/?p=sccdinst&f=maureen_nutting/01_first_americans.mp4</u>

Week 11, March 17-23:

India, East Asia and Europe in the early Middle Ages, conclusion, review for final exam

PAPER #2 due in class on Monday, March 17

Reading: Understanding World Societies, pages 290-351 Sources of World Societies, Documents 12-1, 12-2, 12-4, 12-5, 13-4, 13-6, 14-1, 14-2, 14-4, 14-6

Week 12, March 24-26:

FINAL EXAM on Wednesday, March 26, from noon – 1pm

NOTE: This course ends at the end of the final exam. No assignments will be accepted after that time.

PROCEDURES AND GUIDELINES OF THE SOCIAL SCIENCE DIVISION Winter 2014

Cheating, Stealing and Plagiarizing*

Cheating, stealing and plagiarizing (using the ideas or words of another as one's own without crediting the source) and inappropriate/disruptive classroom behavior are violations of the Student Code of Conduct at Bellevue College. Examples of unacceptable behavior include, but are not limited to: talking out of turn, arriving late or leaving early without a valid reason, allowing cell phones/pagers to ring, and inappropriate behavior toward the instructor or classmates. The instructor can refer any violation of the Student Code of Conduct to the Dean of Student Services for possible probation or suspension from Bellevue College. Specific student rights, responsibilities and appeal procedures are listed in the Student Code of Conduct, available in the office of the of Student Services Dean and at http://bellevuecollege.edu/policies/2/2050P Student Code (Procedures).asp

<u>Email Communication</u> with instructors must be done through student email accounts only. Instructors cannot communicate with students about their course work or grades through student's personal email accounts.

Incomplete

If a student fails to complete all the required work for a course, an instructor may assign the grade of Incomplete ("I"). The student must complete the coursework by the end of the next quarter, or receive the assigned letter grade (usually an "F").

F Grade

Students who fail a course will receive a letter grade of "F."

Final Examination Schedule

The Social Science Division will adhere to the final examination schedule as stated in the BC Schedule. Final examinations will be held at the end of each quarter at fixed times. Instructors will not give examinations in advance of the regular schedule. A student who is absent from any examination held at any time during the quarter may forfeit the right to make up the examination. If, for illness or some other circumstance beyond the student's control, the student is unable to be present at any scheduled examination and has contacted the instructor on a timely basis, the student may be permitted to take such examination at a time designated by the instructor.

Withdrawal From Class

College policy states that students must formally withdraw from a class by the end of the seventh week of the quarter (Registration Office, B125). If a student has not withdrawn by that date, an appropriate letter grade will be assigned for the course.

Hardship Withdrawal

Instructors may assign the grade of "HW" (hardship withdrawal) at their discretion in the event that a student cannot complete the coursework due to extreme and exceptional circumstances. Students may also contact the Enrollment Services office BEFORE grades are assigned in cases of hardship.

Students Who Require Disability Accommodations:

Students with disabilities who have accommodation needs are encouraged to meet with the Disability Resource Centre (DRC) office located in B132 (telephone 425.564.2498 or TTY

425.564.4110), to establish their eligibility for accommodation. The DRC office will provide each eligible student with an accommodation letter. Students who require accommodation in class should review the DRC accommodation letter with each instructor during the first week of the quarter.

Students with mobility challenges who may need assistance in case of an emergency situation or evacuation should register with Disability Resource Centre, and review those needs with the instructor as well.

Distribution of Grades

Grades will not be posted in the Social Science Division or in faculty offices, and program assistants or coordinators will not give out grades. Students should access their grades through the BC Web site.

Return of Papers and Tests

Paper and/or Scantron score sheet returns will be arranged in the following ways ONLY: by mail, if student supplies the instructor with stamped, self-addressed envelope (with appropriate postage); or by the instructor designating a time and place whereby the student may retrieve his/her papers. Unclaimed papers and/or Scantron score sheets must be kept by the instructor for a minimum of sixty (60) instructional days following the end of the quarter.

*If you are accused of cheating, stealing exams and/or plagiarism, there is a Bellevue College Student Discipline and Appeals Procedure (the right to due process) which you may pursue. Contact the office of Division Chair (D110), the Dean of Student Services (B231A) or the Associated Student Body (C212) for information regarding the appeals process.