

The Art and Science of Zymurgy

GS 1181

Lecture: MW 12:00-12:50 pm CAV 019

Instructor Information

Dr. Nicholas J. Negovetich

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Office Hours: MW 9:00-10:45am; T 8:00-8:45 and 10:00-10:45am; R 8:00-10:45am; F 10:00-10:45am;
other times by appointment

Course Description

An introduction to the scientific and artistic aspects leading to the development of the beer styles of the world.

This course will focus on processes and methods used in the brewing world to develop the complex flavors and aromas of different beer styles. Emphasis in describing the styles will focus on avoiding ambiguous adjectives so that descriptions are accurate and precise.

Core Student Learning Outcomes

Upon completion of this course, students will be able to:

1. Gather, analyze, evaluate, and synthesize information relevant to the art and science of zymurgy
2. Develop, interpret, and express ideas through effective written
3. Locate campus resources to solve problems and answer questions

Method of Assessing Learning Outcomes

Core student learning outcomes will be assessed through course assignments.

Course Requirements

There are three primary course requirements. First, you will write two article summaries related to ingredients, techniques, and styles of beer. Second, you will complete several modules in blackboard related to tools and resources that you will use during your college career. Finally, you must attend and participate in a University event.

Text

Several texts are required, but all of them are free.

Reference material on: <http://www.bjcp.org/examcenter.php>

Blackboard – instructor presentations will be posted and required viewing prior to class

All available resources available in the library and on the internet

Course Format

This course will consist of several introductory lectures to provide students with an overview of the beer brewing processes, from harvesting of grain and hops, to the packaging and presentation of the resulting beer.

Students will participate by using the internet, the library, and all available resources to research ingredients (grains, hops, water, yeast), brewing methods (malting, mashing, hopping, fermentation), and presentation (bottling, carbonating, glassware).

Blackboard Quizzes

The abbreviated nature of this course does not permit the presentation of material in a traditional lecture format.

Instead, pre-class assignments will be posted on blackboard. These assignments will require reading and/or watching video. Quizzes will be used to assess your progress on the pre-class assignments.

These quizzes must be completed prior to the start of class on the due date.

Summary (Learning Outcomes #1, #2, & #3)

Each student will be assigned a research topic dealing with brewing ingredients, methods, or presentation. The student will write a summary that answers some basic questions relevant to the assigned topic. This summary requires 3 sources of which 2 must be books from the library. The summary is limited to 1 page. Topics and due dates will be assigned throughout the course.

General Modules

Each student will complete the *Information Literacy* module as posted on Blackboard. The Information Literacy module will introduce students to topics required by most classes across the university including search terms, citing sources, and plagiarism. Quizzes and assignments are associated with each module. You will have an unlimited number of attempts to complete the quizzes in the Information Literacy module – only the last graded attempt will be included in your grade.

Faculty Interaction

Students will utilize their course syllabi and visit each of their faculty in their office during office hours. This will introduce students to campus by making them find their professors' offices, and it allows the students to interact with their faculty. During this interaction, the student will ask their faculty member a specific question that is listed in the assignment.

University Events and Tasks

Each student will attend one university or campus-wide event. Opportunities will be posted on Blackboard. A photo that proves attendance must be taken to earn credit for this course requirement. Students will also complete a campus scavenger hunt either alone or with friends. A photo proves that each location was found.

Attendance and Participation

Due to the limited number of class meetings, attendance is required for this course. Missing, arriving late, or leaving early from class will result in a 2 percentage point deduction from the final course grade. Only a doctor's note will excuse an absence. Participation will be graded based on answering questions in class and completing tasks as instructed.

Electronics Use

All electronic use is prohibited unless it is being used for class. Texting, viewing email, surfing the web, using social media, and etc, are distracting behaviors. Any distracting behavior using these electronic devices will result in a 5 pt deduction of the final course grade for each occurrence.

Point Breakdown

Final grades will be assigned as follows: A=100-90%, B=89-80%, C=79-70%, D=69-60%, F=59% or lower. Standard rounding methods will be used (round up for 0.5 or higher). The percentage breakdown for each portion of the course is listed in the table below:

Assignment	Percentage of Total Grade
Attendance/Participation	10%
Blackboard Quizzes	10%
Summary #1	15%
Summary #2	20%
Library Modules	20%
Faculty Interaction	10%
University Event and Tasks	15%

Religious Holy Day

A student who intends to observe a religious holy day during the semester should make that intention known in writing to the instructor during the first week of the semester and one week prior to the absence. If this submission is completed, a student who is absent from classes for the observance of a religious holy day shall be allowed to take missed exams or assignments scheduled for that day in accordance with syllabus policy.

Assignments and Late Work

All assignments are due at the beginning of class on the prescribed due date. I require a typed, hard copy of the summaries at the start of class. Hard copies that exceed 1 page must be stapled or paper-clipped.

Failure to do so will result in a 10% reduction of the assignment grade. Additionally, electronic copies will be accepted with a 10% penalty provided that they are emailed to me within 1 hour and 10 minutes after the posted time that class ends. There will be no make-ups for any assignment.

Academic Dishonesty

Angelo State University expects its students to maintain complete honesty and integrity in their academic pursuits as presented in the [University's Statement of Academic Integrity](#). Students are responsible for understanding the Academic Honor Code, which is contained in the [University Catalog](#) and [Student Handbook](#). Any form of cheating or plagiarism in this course will result in a zero on the assignment or exam for all involved. Working with others is encouraged, but each person is responsible for their own work. Allowing others access to your work potentially involves you in cheating. If you have any question about what constitutes plagiarism or cheating, then please contact the instructor. Further information regarding academic dishonesty and university policy may be found in the Student handbook.

Special Accommodations

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation. Student Disability Services is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student's responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu or telephone (325-942-2047) For more information about the application process and requirements, visit the [Student Disability Services website](#).

Title IX at Angelo State University

The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance.

Students are encouraged to report any incidents of sexual misconduct directly to ASU's Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:

Michelle Boone, J.D.
Director of Title IX Compliance/Title IX Coordinator
Mayer Administration Building, Room 210
325-942-2022
michelle.boone@angelo.edu

You may also file a report online 24/7 at www.angelo.edu/incident-form. If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345. For more information about Title IX in general you may visit www.angelo.edu/title-ix.

Required Use of Face Masks and/or Shields

As a member of the Texas Tech University System, Angelo State University has adopted the mandatory [Facial Covering Policy](#) to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, in compliance with the university policy students in this class are required to wear a mask/facial covering before, during, and after class. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech University System Policy may result in disciplinary action through the Office of Student Conduct.

Information about COVID-19

Please refer to [ASU's COVID-19 \(Coronavirus\) Updates](#) web page for current information about campus guidelines and safety standards as they relate to the COVID-19 pandemic.

Course Delivery in the COVID-19 Era

This course is scheduled to meet face-to-face because several in-class demonstrations are planned. If remote learning becomes required during the semester, then additional information will be provided. Also, some of the activities/assignments may be canceled due to social distancing requirements. Alternative assignments not in the syllabus may be used as a replacement, or the final grade will be adjusted to account for the missing assignment.

Miscellanea

Please check email every day! Most faculty communicate with the class via email or blackboard, and blackboard will email you whenever an announcement is made to the class. Failure to check email is not a valid excuse for missing due dates.

Due dates and topics are posted on the syllabus, on the instructional handouts, and on blackboard. Moreover, I will state in lecture when assignments are due. Therefore, do not ask me when assignments are due.

Class Schedule

This schedule is tentative and subject to change

Week	Date	Topic	Blackboard Module Due before class	Assignments due
1	08/23/20	Introduction		
	08/25/20	The Brewing Process	Brewing Beer: The Basics	Information Literacy (Due by Friday)
2	08/30/20	Ingredients: Malted Grain	Malt and Grain	
	09/01/20	Mashing Grain	Mashing	Faculty Interaction (Due by Friday)
3	09/06/20	LABOR DAY – NO CLASS		
	09/08/20	Malt Characteristics	Grain Contributions	1st Summary Due
4	09/13/20	Ingredients: Hops	Hops	
	09/15/20	Introduction to Research with Library Resources	Library Learning Commons	Scavenger Hunt (Due by Friday)
5	09/20/20	Hop Characteristics	Hop Aroma Demonstration	
	09/22/20	Ingredients: Yeast	Yeast Introduction	
6	09/27/20	Yeast Characteristics		
	09/29/20	Ingredients: Water		Drop Date - 9/30
7	10/04/20	Water: The Origin of Styles	Water	
	10/06/20	Glassware: Presenting the Art		2nd Summary Due
8	10/11/20	Style Focus: Pilsner and Related		
	10/13/20	Style Focus: IPA		
