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# Food Science & Technology 1271, Spring 2021

## Distillation Science: Distillery Operations

Andrew Snyder

Phone: (405)343-2463

E-mail: [snydera@grayson.edu](mailto:snydera@grayson.edu)

Office: T.V. Munson Viticulture and Enology Center

Office Hours: or by Appointment

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**Course Goals** - The goal of this course is to gain an understanding of the operation of various sizes and styles of stills as well as the safety requirements of operating a commercial distillery

**Course Format** – This is a hybrid course consisting of 25% Internet instruction and 75% classroom. Assignments and reading material will be posted on Grayson’s Internet teaching platform, [Canvas](#), under the “Units/Lessons” tab.

Four, in-class sessions will be held at the T.V. Munson Viticulture and Enology Center, Grayson College – West Extension. Class begins at 9AM and ends at 5PM. The in-class meetings will consist of hands-on activities and lectures/discussions. Attendance to these meetings is required. If you cannot attend please let the instructor know in advance.

**Textbook** – The Distiller, Hall, 2015, White Mule Press. ISBN: 978-0-9910436-8-2

### Course Requirements and Grading

**Quizzes (20%)** – Two quizzes will be given over assigned reading material and material presented in class. Questions will consist of multiple choice and short answer.

**Exams (20%)** – Two exams will be given over the course of the semester. Each exam will cover material presented on Canvas and at the in-class meetings. Questions will consist of essay, short answer, and multiple choice.

**Hands-on Activities (60%)** – Two still runs (1 per class weekend will be accomplished. Participation in charging the still, preparing the mash bill and making cuts will be performed by each student in attendance.

**Attendance** – Attendance to the in-class meetings is mandatory. Missing a weekend class will result in a loss of 10% of the final grade.

**Grades** - Final grades will be assigned based on the percentage of total possible points that you have earned.

Grade	Points earned (out of 100)
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

### **Course Outline**

- Section 1 Still and Boiler Operation
- Section 2 Mashing Operations
- Section 3 Distillery Safety and Regulations
- Section 4 Yeast use
- Section 5 Understanding various uses of fruit
- Section 6 Sensory evaluation of various spirits

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### **Academic Integrity**

The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work.

Scholastic Dishonesty, any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts

Plagiarism, especially from the web, from portions of papers for other classes, and from any other source is unacceptable and will be dealt with under the college's policy on plagiarism (see GCC Student Handbook for details). This course will use the resources of turnitin.com, which searches the web for possible plagiarism and is over 90% effective.

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### **Copyright Notice**

The copyright law of the United States (Title 17, United States Code) governs the making of photocopies or other reproductions of copyrighted materials, including music and software. Copying, displaying, reproducing, or distributing copyrighted works may infringe the copyright owner's rights and such infringement is subject to appropriate disciplinary action as well as criminal penalties provided by federal law. Usage of such material is only appropriate when that usage constitutes "fair use" under the Copyright Act.

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### **Withdrawal from Class**

The administration of this institution has set deadlines for withdrawal of any college-level courses. These dates and times are published in that semester's course catalog. Administrative procedures must be followed. It is the student's responsibility to handle student initiated withdrawal requirements from any class. You must complete the proper paperwork to ensure that you will not receive a final grade of "F" in a course if you choose not to attend the class once you are enrolled (see GCC College Catalog for details).

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## **Disability Services**

The goal of Disability Services is to provide students with disabilities educational opportunities equal to those of their non-disabled peers. Disability Services is located in room SC 115 in the Student Success Center.

The contact information for the Office of Disability Services is:

Jeffri Hodge

(903) 463-8751 (voice or TTY)

[hodgej@grayson.edu](mailto:hodgej@grayson.edu)

If you anticipate issues related to the format or requirements of this course, please meet with the Coordinator of Disability Services. The Coordinator is available to discuss ways to ensure your full participation in the course. If you determine that formal, disability-related accommodations are necessary, it is very important that you be registered with Disability Services to notify them of your eligibility for reasonable accommodations. Disability Services can then plan how best to coordinate your accommodations.

It is the student's responsibility to notify his or her professors of the need for such an accommodation. Disability Services provides students with letters to present to faculty members to verify that the student has a disability and needs accommodations. Individuals requiring special accommodation should contact the professor after class or during office hours.

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## **Financial Aid**

Effective July 1, 2000 students receiving Title IV funds (Pell, Federal Grants, and Student Loans), who subsequently withdraw from classes, will be required to return a portion of the federal financial aid received. Only the percentage of aid earned (determined by the percentage of time attended) will be eligible for retention on the student's behalf. Any aid that is not earned must be returned to its source. If there is a student account balance resulting from these adjustments, the student is responsible for payment. Further details can be obtained from the Office of Financial Aid.

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## **Drop Rule**

Under section 51.907 of the Texas Education Code, "an institution of higher education may not permit a student to drop more than six courses, including any course a transfer student has dropped at another

institution of higher education.” This statute was enacted by the State of Texas in spring 2007 and applies to students who enroll in a public institution of higher education as first-time freshmen in fall 2007 or later. Any course that a student drops is counted toward the six-course limit if (1) the student drops a course after census date or (2) the student is not dropping the course in order to withdraw from the institution. Some exemptions for good cause could allow a student to drop a course without having it counted toward this limit, but it is the responsibility of the student to establish that good cause before the drop. Students with questions should contact the Counseling Office or the Office of Admissions & Records for more information before dropping a course!

## **TITLE IX**

GC policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status.

Furthermore, Title IX prohibits sex discrimination to include sexual misconduct: sexual violence (sexual assault, rape), sexual harassment and retaliation.

For more information on Title IX, please contact:

- § Dr. Regina Organ, Title IX Coordinator (903-463-8714)
- § Dr. Dava Washburn, Title IX Coordinator (903-463-8634)
- § Dr. Kim Williams, Title IX Deputy Coordinator- South Campus (903) 415-2506
- § Mr. Mike McBrayer, Title IX Deputy Coordinator (903) 463-8753
- § Website: <http://www.grayson.edu/campus-life/campus-police/title-ix-policies.html>
- § GC Police Department: (903) 463-8777- Main Campus) [\(903\) 415-2501](tel:9034152501) - South Campus)
- § GC Counseling Center: (903) 463-8730

§ For Any On-campus Emergencies: 911