VIN 146 – Introduction to Enology

Date: June 5 - July 28, 2017          Semester: Summer 2017
VESTA Course No.: VIN 146          Course Credit: 3 Hours
Course Name: Introduction to Enology          Room: Online
Instructor: Dennis Emslie-Drummond          E-mail: DDrummond@MissouriState.edu
Office Hours: By appointment, phone, e-mail          Phone:

Course Description: VIN 146 is an 8-week course based on the fundamentals of the science and technology of winemaking. Introduction to Enology targets the home winemaker and those interested in exploring winemaking as a career, either as a cellar worker or as a new winery owner. During this course, students will build a basic understanding of winemaking which will alleviate common home winemaker’s errors. This course is part of VESTA's viticulture and enology program with emphasis on the practical aspects of winemaking.

Prerequisites: None

Next Course in Sequence: VIN 148 or VIN 160

Course Objectives: The course will give the student an overview of the winemaking process and introduce the student to the wine industry and the language of winemaking. At the end of class, the student will demonstrate an understanding of:

- An introductory overview of wine making
- Characteristics between wine types and styles
- Applications of viticulture to winemaking
- Winery sanitation and general winery practices
- Basic parameters of winery operations
- Wine making equipment
- Materials and supplies utilized in the wine making process and the wine cellar
- Grape maturity testing and processing
- Basics of primary fermentation
- Malolactic fermentation (MLF)
- Wine clarification
- Heat and cold wine stabilization
- Wine maturation and aging
- Wine packaging
- White, red and fruit table wine production
- Sensory evaluation of wine
Textbooks
There are no required textbooks for this course. Purchase of the supplemental books is optional.

Recommended Supplemental Textbooks


Course Schedule and Topics

<table>
<thead>
<tr>
<th>Class</th>
<th>Live Meeting Date</th>
<th>Lecture Topics</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>June 5</td>
<td>Introduction Part I - Course Overview</td>
</tr>
<tr>
<td>2</td>
<td>June 8</td>
<td>Introduction Part II - History; Viticulture</td>
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<td>3</td>
<td>June 12</td>
<td>Viticulture (cont.); Ripening Quiz 1 (covers materials for classes 1-3)</td>
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<td>4</td>
<td>June 15</td>
<td>Juice Chemistry Practicum Site Form due</td>
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<td>5</td>
<td>June 19</td>
<td>Juice Chemistry cont’d.; Harvest</td>
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<td>6</td>
<td>June 22</td>
<td>Fermentation Quiz 2 (covers materials for classes 4-6)</td>
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<td>7</td>
<td>June 26</td>
<td>Red Crush</td>
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<td>8</td>
<td>June 29</td>
<td>White Crush Mid-term Exam I (covers materials for classes 1-8)</td>
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<td>9</td>
<td>July 3</td>
<td>Malolactic Fermentation, and Sulfur Dioxide</td>
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<td>10</td>
<td>July 6</td>
<td>Sulfur Dioxide cont’d.; Wine Additives Quiz 3 (covers materials for classes 9-10)</td>
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<td>11</td>
<td>July 10</td>
<td>Sensory Evaluation</td>
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<td>12</td>
<td>July 13</td>
<td>Wine Processing I &amp; II Quiz 4 (covers materials for classes 10-12)</td>
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<td>13</td>
<td>July 17</td>
<td>Sanitation; Blending</td>
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<td>14</td>
<td>July 20</td>
<td>Barrels; Aging Final Exam (covers materials for classes 9-15)</td>
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<td>15</td>
<td>July 24</td>
<td>Wine Law; Bottling</td>
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<tr>
<td>16</td>
<td>July 27</td>
<td>Final Projects Final Project Due</td>
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</tbody>
</table>

The instructor reserves the right to adjust this schedule if necessary.
Instructional Methods
This is an online course with a synchronous component. An online course site is used to provide announcements, lectures, notes, and supplemental printed and web-based materials to the students. It also serves as a Sabal point for interaction/communication between instructor and students.

Live Class Meeting
The live class meeting will take place twice a week on Monday and Thursday from 7:00 to 8:00 p.m. Central Time via the Zoom web classroom system. It is an opportunity for the instructor to go over weekly topic highlights and for students to interact with the instructor and fellow students through questions and discussions. Since this is the only opportunity for the students to interact with the instructor and classmates directly, participation is required. Please inform the instructor in advance if you cannot attend the Zoom session. Students who miss a class meeting are required to view the live class recording as soon as possible.

The last live class meeting on Thursday, July 27 will be from 7:00 to 9:00 p.m. Central Time to accommodate the Final Project student presentations. Students are free to leave the session after one hour, if they have made their presentation.

Special Note about Summer Course Format
The 8-week summer course will cover all of the materials planned for a fall/spring 15-week semester. The pace will be fast and intense. It is designed for students who have had some basic winemaking experience. Novice students should take the 15-week spring/summer VIN 146.

Practicum
There is a required 8-hour practicum component to this course. The purpose of the practicum is to provide students with the opportunity to familiarize themselves with winery set up and operations.

Each student is required to identify a winery and mentor that would be willing to allow the student to visit and observe on-going winery operations. After identifying the mentor, the student should complete the Field Practicum Site Form (available on the online course site) and fax the form to the VESTA office by the third Friday after the semester starts. Upon receipt of the form, the VESTA office will send a packet of information to the mentor explaining the field practicum, the skill sets to be completed by the student, and the mentor’s role in the field experience. The practicum is completed when the VESTA office receives a summary practicum evaluation from the mentor.

Course Assignments
Course assignments include lectures, assigned reading, discussion questions, quizzes, exams, a final project, an eight-hour practicum at a participating winery, and a practicum report.

Lectures: Lectures must be viewed before each online live discussion (Saba) sessions. Lectures may include prerecorded videos and/or PowerPoint presentations.

Assigned Readings: Assigned readings will include weekly lecture notes and additional resources. They must be completed before the online live discussion sessions.

Discussion Board Questions: Students will be asked to post question(s) based on lectures and readings on the online course site “Discussion Board” one hour before the live class meeting.
The instructor will address these questions during the live class meeting. After the meeting, students should post a reply to one of your classmate’s questions, one hour before the next live class meeting. Your instructor may also post questions for you to answer for some topics.

**Quizzes:** There will be four quizzes through the semester to test your understanding of specific topics. You will take the quizzes online. Details will be provided on the online course site.

**Exams:** There will a Midterm and Final Exam. The Midterm will cover material through class 8. The Final will cover all material through the last class with emphasis on classes 9 to 15. All exams will be taken online.

**Final Project:** You will complete a Final Project for this course. Details will be provided on the online course site.

**Practicum and Practicum Report:** An 8-hour practicum is required for each student of VIN 146. The practicum allows the student an opportunity to work with a winery, shadowing their facilitator, to learn as much as they can about the winemaking process at that winery. There is a recordkeeping requirement and the total hours assigned is mutually managed by both the student and the facilitator. Students will submit a 3-page double-spaced written report of their practicum experience to the instructor by the end of the semester. More details on report format and content will be provided in class.

**Expectations and Instructor Feedback**
Students should participate in the weekly virtual class meetings. It is also the students’ responsibility to check the online course site on a regular basis, be aware of the required activities and assignments, and adhere to the deadlines. This will ensure a successful learning experience.

The instructor will make the best effort to respond to student questions and complete assignment/exam grading on a timely manner.

**Late Assignments**
Students who turn in late or incomplete assignments will automatically receive a 10% reduction in their final grade score. Please inform the instructor in advance if you will not meet a required deadline.

**Grading**
- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%
- F = below 60% = failing grade
Project Points and Percentage of Grade

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<tr>
<th></th>
<th>Points</th>
<th>Percentage</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Discussion Questions</td>
<td>140</td>
<td>14%</td>
<td>(10 points per class, classes 2-15)</td>
</tr>
<tr>
<td>Class Participation</td>
<td>120</td>
<td>12%</td>
<td>(8 points per class, classes 2-16)</td>
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<tr>
<td>Quizzes</td>
<td>96</td>
<td>10%</td>
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<tr>
<td>Midterm Exam</td>
<td>150</td>
<td>15%</td>
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<tr>
<td>Final Exam</td>
<td>250</td>
<td>26%</td>
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<tr>
<td>Final Project</td>
<td>120</td>
<td>12%</td>
<td></td>
</tr>
<tr>
<td>Practicum (with Report)</td>
<td>100</td>
<td>10%</td>
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<tr>
<td>Total Grade</td>
<td>976</td>
<td>100%</td>
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Missouri State University Institutional Policies

It is the students’ responsibility to see that all requirements are completed within the semester timeframe so grades can be issued. Should it become necessary to withdraw, it is the student’s responsibility to do so according to the guidelines found at: [http://wp.missouristate.edu/recreg/withdrawl-procedures.htm](http://wp.missouristate.edu/recreg/withdrawl-procedures.htm)

Online Student Academic and Student Support Resources

Missouri State University-West Plains provides a full-range academic and student support for online students. To learn more about specific academic and student support and how to access the resources, go to [http://online.wp.missouristate.edu/](http://online.wp.missouristate.edu/)

Attendance Policy

Missouri State University believes that students must attend class in order to achieve the best learning results. In the case of VESTA online courses, attendance is defined as active participation in the form of attending synchronous class meetings (if applicable), completing reading/writing/testing assignments by assigned deadlines, and maintaining regular communication with course instructor via the online course site and communication tools designated by the instructor. For courses with a practicum/workshop component, students must participate and complete the number of hours of practical experience required. Instructors may assign attendance grade as part of course grade if they choose to do so. MSU expects instructors to be reasonable in accommodating students whose absence from class resulted from: 1) participation in University-sanctioned activities and programs; 2) personal illness; or 3) family and/or other compelling circumstances. The University’s attendance policy can be found at: [http://www.missouristate.edu/registrar/catalog/attendan.html](http://www.missouristate.edu/registrar/catalog/attendan.html)

Make-up Policy and Special Instructions

The exams can be made up only in the event of an excused absence where the instructor has prior knowledge of the absence. Allowance of make-up tests will be at the discretion of the instructor and will be taken on the date of the student’s return to class.

Statement of Nondiscrimination

Missouri State University is an equal opportunity/affirmative action institution, and maintains a grievance procedure available to any person who believes he or she has been discriminated against. At all times, it is your right to address inquiries or concerns about possible discrimination to the Office for
Institutional Equity and Compliance, Park Central Office Building, 117 Park Central Square, Suite 111, 417-836-4252. Other types of concerns (i.e., concerns of an academic nature) should be discussed directly with your instructor and can also be brought to the attention of your instructor’s Department Head. Please visit the OED website at: http://www.missouristate.edu/equity/

Academic Integrity Statement
Missouri State University is a community of scholars committed to developing educated persons who accept the responsibility to practice personal and academic integrity. You are responsible for knowing and following the university’s student honor code, Student Academic Integrity Policies and Procedures, available at: http://www.missouristate.edu/academicintegrity/ and also available at the Reserves Desk in Meyer Library. Any student participating in any form of academic dishonesty will be subject to sanctions as described in this will also be notified by email.

Student Disability Accommodation Policy and Procedures
To request academic accommodations for a disability, contact the Director of Disability Services, Plaster Student Union, Suite 405, (417) 836-4192 or (417) 836-6792 (TTY), or www.missouristate.edu/disability. Students are required to provide documentation of disability to Disability Services prior to receiving accommodations. Disability Services refers some types of accommodation requests to the Learning Diagnostic Clinic, which also provides diagnostic testing for learning and psychological disabilities. For information about testing, contact the Director of the Learning Diagnostic Clinic, (417) 836-4787, http://psychology.missouristate.edu/ldc.

Religious Accommodation
The University may provide a reasonable accommodation based on a person’s sincerely held religious belief. Students who expect to miss classes, examinations, or other assignments as a consequence of their sincerely held religious belief shall be provided with a reasonable alternative opportunity to complete such academic responsibilities. It is the obligation of students to provide faculty with reasonable notice of the dates of religious observances on which they will be absent by submitting a Request for Religious Accommodation Form to the instructor by the end of the third week of a full semester course or the end of the second week of a half semester course. For more information see: http://www.missouristate.edu/policy/op1_02_1_religiousaccommodation.htm