

**SDV 101 – Orientation to Engineering**

## COURSE SYLLABUS

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**Students who are receiving financial aid, please note:**

**Continuous Alert**

If a faculty member submits a continuous alert for a student because of poor attendance, **disbursement of financial aid proceeds by check will be blocked** until each faculty member submitting such an alert has given Admissions permission to remove the alert. In addition to blocking the check request, a continuous alert blocks enrollment for future semesters until the block is removed.

**No Shows**

**If a student never attends a class or only attends one time before the refund deadline**, the student will be considered a **“no show”** and withdrawn from the class. Faculty will report **“no shows”** to the division office by the refund deadline for all classes they teach.

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<b>Class Time:</b>	Tuesday 8:30 AM – 9:20 AM
<b>Location:</b>	Taylor 209
<b>Instructor:</b>	Dr. Yiheng Wang Office: Temple II Email: ywang@dcc.vccs.edu Office phone: 434-797-8435
<b>Office Hours:</b>	Monday & Wednesday: 8:30 AM – 12:30 PM, Tuesday 1:30 PM – 3:30 PM.
<b>Textbook:</b>	<i>Studying Engineering: A Road Map to a Rewarding Career</i> – Landis, 4 <sup>th</sup> ed., Discovery Press ISBN-13: 9780979348747.
<b>Other Required Materials:</b>	<b>Danville Community College Student Handbook</b> <b>Danville Community College Catalog</b> <b>Computer and internet access to Blackboard and student Gmail account</b>

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**Course Description:** Assists students who are interested in the engineering disciplines in transition to colleges. Provides overviews of college policies, procedures, curricular offerings. Encourages contact with other students and staff. Assists students toward college success through information regarding effective study habits, career and academic planning, and other college resources available to students.

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**Course Objectives:** Students, upon completion of the course, will be significantly better prepared to achieve the following objectives throughout their college careers:

1. Students will be more familiar with general engineering disciplines, and further advancement in engineering education and/or engineering careers.
2. Students will be more effectively engaged in the learning process both in and out of the classroom.
3. Students will identify their academic and personal goals and understand what is required to achieve those goals.
4. Students will know the resources that are available to them and know how to use them.
5. Students will recognize and learn to effectively cope with the distractions and obstacles that have the potential to disrupt their college studies.

**SCHEV Competencies:** Quantitative Reasoning; Scientific Reasoning; Critical Reasoning.

**DCC Educational Objectives:** Critical Thinking; Computational and Computer Skills; Understanding Science and Technology.

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- Topics Include:** (if time permits)
1. Computer navigation and electronic portfolio building
  2. College and career planning
  3. Transfer guide
  4. Elements of success in engineering
  5. Expectations
  6. Engineering disciplines
  7. Study skills and note taking skills
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8. Library and information literacy
  9. Engineering professions, job search and resume builder
  10. Time management
  11. Money management and financial aid
  12. Test taking skills
  13. Guest speakers from academia and industry
  14. Research lab tour
  15. Industry tours
  16. Engineering ethics
  17. Wellness and stress
  18. Others
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**Important Dates:** Last day to withdraw with tuition refund: **September 6**  
 Last day to withdraw (W grade) without mitigating circumstances: **October 25**  
 Classes end: **December 11**  
 Final exam: **Friday December 13, 8:00 AM - 10:00 AM**  
 Faculty preparation day and Holiday (no class): **October 15, November 28 - 29**

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**Attendance Policy:**

1. **Student Handbook** states that “Students missing twenty-five percent (25%) or more of the total time allocated for classes and/or labs may be administratively withdrawn from the course upon recommendation of the instructor. Students who are administratively withdrawn prior to the completion of 60% of the classes and/or labs will be issued a grade of ‘W’. After that point, students who are administratively withdrawn will be issued a grade of ‘F’.”
2. Being more than 20 minutes late for class or leaving early without permission from the instructor will be considered being absent.

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**Cell Phone Policy:** Cell phone use of any kind is strictly prohibited during ordinary class period or exam. Cell phones can only be used upon the instructor’s approval to receive DCC alert message relating to college’s emergency situation.

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**Recording Policy:** Audio- or video- recording of the class may be allowed **upon the instructor’s permission** and can only be used for the student’s personal reference.

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**Academic Honesty:**

1. Please refer to **Student Handbook**, section on “**Academic Honesty**” for definition of academic dishonesty as well as the general college policy. It is **student’s responsibility** to understand this policy thoroughly. Lack of awareness does not serve as excuse for any non-compliance of school policy.
2. Although you are strongly encouraged to communicate with your classmates about assignments, all assignment materials submitted for grades must represent your individual, original work.
3. This class has **No Tolerance** for academic dishonesty; therefore, any occasion of academic dishonesty will immediately result in a grade of “F” for this class.

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**Students with disability:** Please contact DCC Disability Services Office: Wyatt 108, 434-797-8572, <http://www.dcc.vccs.edu/studentServices/ADA/DisabilityServices.htm>

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**Delayed Class Schedule Policy:** In case of snow storm or other emergencies, DCC may run on delayed class schedule. Please see DCC website [www.dcc.vccs.edu](http://www.dcc.vccs.edu) for details.

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**Grading Policy:**

1. Grade summary:

Item	Points
Weekly Assignments (50 weekly points × 14)	700
Attendance	50
Final Project and Exam	250
<b>Total</b>	<b>1000</b>
2. No late assignment will be accepted!
3. Grading scale: A for 900-1000, B for 800-899, C for 700-799, D for 600-699 and an F for less than 600 (or W according to the withdrawal policy).

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