



COURSE OUTLINE

1. Instructor Information

(a)	Instructor:	Gilles Cazalais
(b)	Office Hours:	http://pages.pacificcoast.net/~cazelais/schedule.html
(c)	Location:	CBA 158
(d)	Phone:	370-4495
(e)	Email:	Cazalais@camosun.bc.ca
(f)	Website:	http://pages.pacificcoast.net/~cazelais/175.html

2. Intended Learning Outcomes

(No changes are to be made to these Intended Learning Outcomes as approved by the Education Council of Camosun College.)

Upon completion of this course the student will be able to:

1. Evaluate integrals in power, logarithmic, exponential, trigonometric, and inverse trigonometric forms.
2. Evaluate integrals using the method of substitution, integration by parts, trigonometric substitution, and partial fractions.
3. Find the Maclaurin and Taylor series of functions, and use them to perform numerical computations.
4. Find the Fourier series of simple periodic functions.
5. Solve first order separable and linear differential equations and applied problems.
6. Solve non-homogeneous second order linear differential equations and applied problems, including LRC circuits.
7. Use the method of Laplace transform to solve first and second order initial value problems and problems involving step functions.

3. Required Materials

Allyn J. Washington, *Basic Technical Mathematics with Calculus*, 9th Edition

4. Course Content and Schedule

<http://pages.pacificcoast.net/~cazelais/175.html>

5. Basis of Student Assessment (Weighting)

One exam worth 100%

6. Grading System

(No changes are to be made to this section unless the Approved Course Description has been forwarded through the Education Council of Camosun College for approval.)

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at camosun.ca for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. (For these courses a final grade will be assigned to either the 3 rd course attempt or at the point of course completion.)
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College calendar, at Student Services, or the College web site at camosun.ca.

STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services, and the College web site in the Policy Section.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED