

Spring 2019

_____CHEM 26 (10101) & CHEM 28 (10102), M,W,F 8:30AM-9:20AM, Votey 105

_____ : CHEM 26 (10646) & CHEM 28 (10673), T,Th 8:30AM-9:45AM, Votey 105

(see also the CHEM 026 BlackBoard page)

: Steve Flemer

: sflemer@uvm.edu

: "General, Organic, and Biochemistry" 9th edition, by Denniston; ISBN # 9780078021541

- Can be purchased directly from the publisher using the following URL:

<http://shop.mheducation.com/mhshop/productDetails?isbn=1260476316>

: Available for download from the class' BlackBoard site.

: Available at the UVM Bookstore. Required for recording data.

(Note: the last two items are not required for CHEM 28 students)

(labs start 2 weeks after classes begin)

: See your class course schedule as to your assignments.

: Students must attend the lab section they are assigned to. Official documentation of sickness or family crisis is required if a lab is missed.

_____ In order to take a lab at a time other than your assigned time one must obtain the permission of the TA and instructor.

: Prior to the lab sessions beginning, students must read through Lab Safety documentation and take a onth a e m

28-31 Jan

Fractional Distillation of Wine

4-7 Feb

Molecular Models

11-14 Feb

Isolation of Naproxen

18-21 Feb

(PRESIDENT'S DAY ON MON)

25-28 Feb

Dehydration of 2-methyl-2-butanol

4-7 Mar

(TOWN MEETING DAY ON TUES)

11-15 Mar

(SPRING BREAK)

18-21 Mar

TLC Analysis of Analgesics

25-28 Mar

Synthesis of Esters

1-4 Apr

Carbonyls (Tollen's Test)
Carbohydrates (Benedict's Test)

8-11 Apr

Polymers

15-18 Apr

Isolation and Analysis of a Protein

22-25 Apr

Fats, Oils, & Soaps

29 Apr-2 May

CHAPTER

SUGGESTED PROBLEMS

(Saturated Hydrocarbons)	3,4,5,7,19,21,25,29,31,33,39,41,49,51,55,57,59,61,63a,65,67,69,71,73,79,81,83,85,87,89,97,101,102,103
(Unsaturated Hydrocarbons: 11.1-11.6)	1,3,5,8,9,11,13,15,17,19,21,22,27,31,41,43,47,49,63,65,66,69a,c,d,71,73,75,79,81,83,89,90,91,92,93b,c,97,99
(Alcohols, Phenols, Thiols, & Ethers)	1,11,15,17,19,23,29a,c,31a,c,32,33,37,52,55,61,63,65a,c,68,69,81,82,83,84,85,86,87,89

WED, 20 FEB

(Aldehydes & Ketones:	5,7,11,13,21,23,29,30,31,33,39,41a,b,e,43b,c,d,44,49,50,57,61,62,63a,c,d,67,69,71,73,75,77,81,82,83
(Carboxylic Acids & Derivatives: 14.1-14.2)	1,3,5,7,13,15,17,29,31,35,47,49,51,52,53,55a,b,59,63a,b,65,71,72,73,74,77,81,83
(Amines & Amides: 15.1, 15.3)	4,5a,b,c,7a,8,19,21a,b,22a,c,d,23c,25a,26b,d,33b,d,34b,d,37,47,53,55,61

WED, 20 MAR

(Carbohydrates)	3,5,7,13,21,23,25,27,32,33,45,47,53,55,57,59,63,80,85,86,87,88
(Lipids & their Function: All except 17.5)	11,13,21,23,24,41,43,44,49,57,58,61,62,67,68,69,77,81,99,100,103,104
(Protein Structure & Function)	1,2,3,5,6,23,25,28,32,33,34,36,37,39,45,46,48,52,53,55,59,60,63,65
(Enzymes: 19.1-19.7, 19.11)	3,5,7,8,10,17,19,20,23,25,30,39,40,46,57,59,60,61,91,95,97

WED, 17 APR

(Intro to Molecular Genetics: 20.1-20.6)	3,5,7,9,10,19,20,29,31,33,36,37,38,39,40,43,44,45,46,49,50
(Carbohydrate Metabolism: all except 21.5)	
(Aerobic Respiration: 22.1-22.4, 22.6)	
(Fatty Acid Metabolism: 23.1-23.2, 23.4)	