

CHEMICAL SENSORS  
CHEM 6282/4803

Fall 2015

J. Janata  
School of Chemistry and Biochemistry  
Boggs 1-27, (404) 894 4828  
jiri.janata@chemistry.gatech.edu

Chemical sensors is an interdisciplinary topic covering area of science and engineering that lies between chemistry, physics, materials science and electrical engineering. The course is intended for graduate students and senior undergraduate students. Prerequisites include an introductory course in physical or analytical chemistry, undergraduate physics and electronics or a chemical instrumentation course. The topics covered will include general theory of chemical recognition, electrochemical, optical, mass sensors and data reduction.

Text: J. Janata, "Principles of Chemical Sensors", 2010 Springer (~\$75 on Amazon)  
Information about this book can be found at: <http://link.springer.com/article/10.1007/s00216-010-4331-2>. It can be downloaded for free but you must navigate through the links! Galleyproof copy & Errata are on T-square/Resources

Credits: 3 credit hours

Time: T,TH 9.35 – 10.55

**Place: Instructional Center 107**

Grading:	1 Midterm	30
	2 Take-Home Essays	20
	1 Final	50