

Katie Burns

Instructor

kburns@astate.edu

Current Position

Position Title:

Current Academic Rank: Instructor

Rank Since: Summer 2008

Degrees

M.S., Chemistry, 1996, University of Minnesota, Minneapolis, MN

Emphasis: Analytical Chemistry, Bioanalytical Chemistry of Biological Systems,
Electrochemistry

Thesis Advisor: Marian Stankovich (deceased)

Thesis: Characterization of the Spectral and Thermodynamic Properties of CDP-6-deoxy- α -D-glucose-6-phosphate reductase (E₃) and CDP-6-deoxy-L-threo-D-glycero-4-hexulose-3-dehydrase (E₁)

B.A., Physiology, 1990, University of Minnesota, Minneapolis, MN

Scholarly Contributions and Creative Productions

Burns, K.D., Pieper, P., Liu, H., Stankovich, M. "Studies of the Redox Properties of CDP-6-deoxy-L-threo-D-Glycero-4hexulose-3-dehydrase (E1) and CDP-6-deoxy-L-threo-D-glycero-4-hexulose-3-dehydrase reductase (E3): Two Important Enzymes Involved in the Biosynthesis of Ascorbyl", *Biochemistry*, **35**, 7879, (1996).

Teaching

Fall 2008 Courses:

PHSC 1201 002 - Physical Science Laboratory

PHSC 1201 003 - Physical Science Laboratory

PHSC 1201 007 - Physical Science Laboratory

PHSC 1201 2 - PHYSICAL SCIENCE LAB

PHSC 1201 3 - PHYSICAL SCIENCE LAB

PHSC 1201 7 - PHYSICAL SCIENCE LAB

PHSC 1203 001 - Physical Science

PHSC 1203 002 - Physical Science

PHSC 1203 003 - Physical Science

PHSC 1203 1 - PHYSICAL SCIENCE

PHSC 1203 2 - PHYSICAL SCIENCE

PHSC 1203 3 - PHYSICAL SCIENCE

Spring 2009 Courses:

PHSC 1201 003 - Physical Science Laboratory

PHSC 1201 006 - Physical Science Laboratory

PHSC 1201 007 - Physical Science Laboratory

PHSC 1201 008 - Physical Science Laboratory

PHSC 1201 010 - Physical Science Laboratory

PHSC 1201 011 - Physical Science Laboratory

PHSC 1201 012 - Physical Science Laboratory

PHSC 1201 10 - PHYSICAL SCIENCE LAB

PHSC 1201 11 - PHYSICAL SCIENCE LAB

PHSC 1201 12 - PHYSICAL SCIENCE LAB

PHSC 1201 3 - PHYSICAL SCIENCE LAB

PHSC 1201 6 - PHYSICAL SCIENCE LAB

PHSC 1201 7 - PHYSICAL SCIENCE LAB

PHSC 1201 8 - PHYSICAL SCIENCE LAB

PHSC 1203 001 - Physical Science

PHSC 1203 002 - Physical Science

PHSC 1203 003 - Physical Science

PHSC 1203 1 - PHYSICAL SCIENCE

PHSC 1203 2 - PHYSICAL SCIENCE

PHSC 1203 3 - PHYSICAL SCIENCE

Fall 2009 Courses:

PHSC 1201 002 - Physical Science Laboratory

PHSC 1201 003 - Physical Science Laboratory

PHSC 1201 007 - Physical Science Laboratory

PHSC 1203 001 - Physical Science

PHSC 1203 002 - Physical Science

PHSC 1203 003 - Physical Science

Spring 2010 Courses:

PHSC 1201 001 - Physical Science Laboratory

PHSC 1201 002 - Physical Science Laboratory

PHSC 1201 003 - Physical Science Laboratory

PHSC 1201 004 - Physical Science Laboratory

PHSC 1201 005 - Physical Science Laboratory

PHSC 1201 006 - Physical Science Laboratory

PHSC 1203 001 - Physical Science

PHSC 1203 002 - Physical Science

Fall 2010 Courses:

PHSC 1201 003 - Physical Science Laboratory

PHSC 1201 004 - Physical Science Laboratory

PHSC 1201 006 - Physical Science Laboratory

PHSC 1201 007 - Physical Science Laboratory

PHSC 1203 001 - Physical Science

PHSC 1203 002 - Physical Science

Spring 2011 Courses:

PHSC 1201 001 - Physical Science Laboratory
PHSC 1201 002 - Physical Science Laboratory
PHSC 1201 003 - Physical Science Laboratory
PHSC 1201 004 - Physical Science Laboratory
PHSC 1203 001 - Physical Science
PHSC 1203 002 - Physical Science

Fall 2011 Courses:

PHSC 1201 003 - Physical Science Laboratory
PHSC 1201 004 - Physical Science Laboratory
PHSC 1201 006 - Physical Science Laboratory
PHSC 1201 007 - Physical Science Laboratory
PHSC 1203 001 - Physical Science
PHSC 1203 002 - Physical Science

Spring 2012 Courses:

PHSC 1201 001 - Physical Science Laboratory
PHSC 1201 002 - Physical Science Laboratory
PHSC 1201 003 - Physical Science Laboratory
PHSC 1201 004 - Physical Science Laboratory
PHSC 1203 001 - Physical Science
PHSC 1203 002 - Physical Science

Summer 2012 Courses:

PHSC 1201 10A - PHYSICAL SCIENCE LAB
PHSC 1203 10A - PHYSICAL SCIENCE

Fall 2012 Courses:

PHSC 1201 003 - PHYSICAL SCIENCE LAB
PHSC 1201 004 - PHYSICAL SCIENCE LAB
PHSC 1201 006 - PHYSICAL SCIENCE LAB
PHSC 1201 007 - PHYSICAL SCIENCE LAB
PHSC 1203 001 - PHYSICAL SCIENCE
PHSC 1203 002 - PHYSICAL SCIENCE