BIO 130.002. Prin of Cell & Mol Biol
Hall – M357, 1100-1215 TR
Office Hours: S236; TR 1400-1530, 1700-1800, or by appointment

Dr. Alexandra Martynova-Van Kley
Professor, Department of BIOLOGY
e-mail: avankley@sfasu.edu
Phone: 468-2569

WELCOME TO BIO130: This course is designed to introduce you to the essential principles, processes and mechanisms of molecular and cell biology. Course objectives: to develop a basic understanding of the mechanisms of life on a cell level; to gain an understanding how cells and organisms interrelate.

ATTENDANCE: You are expected to attend all lecture classes and labs. It is vital that you read the chapter text prior to class as this will permit you to pose questions more efficiently. If you miss a lecture class for unavoidable reasons, make sure you get the notes from another student and visit my office to make arrangement for a make-up work. Missing an exam will be permitted only by prior arrangement.


GRADING CRITERIA:
Lecture Exams (all together) - 100 pts
Attendance + participation/discussions + course evaluation + lecture notes - Additional pts
TOTAL - 100 pts

NO GRADE DISCUSSION over an e-mail.

SCANTRON SHEETS (form no. 30423): 6 total per semester.

SI and Walk-in tables available in AARC

CELL PHONES, LAPTOPS AND OTHER ELECTRONIC DEVICES: All electronic devices MUST be turned off and PACKED AWAY during the lecture. Students using electronic devices during class will lose up to 10 points of their final grade. Any use of an electronic device during a test will be considered cheating.

Class web-page to open slides you need
http://martynova-vankley.com/bio130/
user name: student
password: biotech
SCHEDULE:

01/16  Meeting with the class
01/18  History of cell. History of biology
01/23  The chemistry of the cell
01/25  The macromolecules of the cell
01/30  The macromolecules of the cell
02/01  Exam 1
02/06  Cell & organelles
02/08  Cell structure & function
02/13  Enzymes and bioenergetics
02/15  Exam 2
02/20  Membranes structure and function
02/22  Membranes. Transport across membranes
02/27  Glycolysis. Fermentation
03/01  Aerobic respiration
03/06  Photosynthesis
03/08  Exam 3
03/13-15 Spring Break
03/20  DNA - cellular basis of Information. link
03/22  DNA replication
03/27  DNA repair
03/29  Easter
04/03  Exam 4
04/05  Gene expression: transcription
04/10  Gene expression: transcription
04/12  Gene expression: translation
04/17  Gene expression: translation
04/19  Exam 5
04/24  Meiosis and genetic recombination
04/26  Meiosis and genetic recombination
05/01  Cancer cells
05/03  DNA technology. Forensics
05/08  Final(Comprehensive) at 10:30

*Choose you SEAT today and KEEP it

**Late – your ID on the desk!!!!
Not eligible for perfect attendance pts

Correct way to sign your name
on the back of the scantron:

Class web-page to open slides you need
http://martynova-vankley.com/bio130/
user name: student
password: biotech