

**SUL ROSS STATE UNIVERSITY - WOMEN IN SCIENCE - BIOL 3305  
SPRING SEMESTER 2019**

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**Professor:** Jim Zech  
Office: 218 Warnock Science Building  
Phone: 432-837-8114  
**e-mail:** jzech@sulross.edu  
**Office Hours:** By appointment or TTH: 9:30 – 11:00 A.M.;  
W: 9:30 – 11:00 A.M., 1:00 – 2:00 P.M.

**Time and Place:** Web Delivered, Your Time and Place!

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**Readings:** Rosalind Franklin: The Dark Lady of DNA and Various Papers

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**POINT DISTRIBUTION:**

Dark Lady Book Report (I)	= 100
Assignments, 33 @ 50	= 1650
Contact Dr. Zech (I)	
Individual Interview (I)	
Nobel Women (C)	
IFUW (C)	
MIT Women (C)	
Current Chemistry Women (C)	
Nancy Clayton (G)	
Women Who Rock (G)	
Elisabeth Hevelius (G)	
Hypatia (G)	
Bullet Proof Vests (G)	
Physics Women (G)	
Bandegee Walk (B)	
Maxwell (B)	
Quillin (B)	
Furbish (B)	
Illustrators (B)	
Margulis (B)	
Medical Doctors (B)	
Brain (B)	
Mary Sophie (B)	
Lady Mary (B)	
Micro Women (B)	
Crop (B)	
Maxine (B)	

Ranger School (NRM)	
Forestry (NRM)	
WISE (NRM)	
Agriculture (NRM)	
AWSS (NRM)	
Outdoors (NRM)	
Not Covered (NRM)	
Door in the Dream (NRM)	
Video Interview Comparison (NRM)	= 100
Final	= 100
<b>TOTAL POINTS:</b>	<b>= 1950</b>

I = Introduction; C = Chemistry; G = Geology; B = Biology; and NRM = Natural Resource Management

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**GRADING:** Your final grade in Women in Science will be determined by the total points you receive divided by the total points possible and the scale listed below. There will be no deviation from this scale.

Grading Scale (percent of total points): A: 90-100; B: 80-89; C: 70-79; D: 60-69; F: 59 and lower

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**ASSIGNMENTS:** Each assignment is self explanatory. While some may vary in the amount of time required, all should be submitted, typed, double spaced, standard font (12), standard margins (1"), paragraphs indented, spell checked, grammar checked, in writing embedded within or as an e-mail attachment to Dr. Zech (jzech@sulross.edu). Each part of this course will be available for a limited amount of time (approximately 3 weeks; see important dates below) and all assignments within a specific part are due within that time period. **NO LATE ASSIGNMENTS WILL BE ACCEPTED.** Each assignment is worth 50 points with a single point lost for each format, grammar, and spelling mistake for maximum of 20 points per assignment. Each assignment should be approximately 1 page. My best advice is don't delay! Read the part as soon as it's available and complete the assignments before each deadline.

**BOOK REPORTS:** Book reports are extended assignments, and therefore have an extended due date. Regardless of when the book report assignment appears, all are due the last day of the semester (see important dates below). Like regular assignments, book reports should be submitted, typed, double spaced, standard font (12), standard margins (1"), paragraphs indented, spell checked, grammar checked, in writing embedded within or as an e-mail attachment to Dr. Zech (jzech@sulross.edu). While the book report will be

longer than a single page, there is no specific length required. The important thing will be to include all required aspects and answer all indicated questions.

**DETOURS:** A detour is a break from the current focus. It will contain additional information that may or may not include assignments, book reports, or interviews.

**INTERVIEWS:** Within each section there will be one or more taped interviews with women in science. **IT WILL BE IMPORTANT TO WATCH EACH AND TAKE NOTES**, because there will be an assignment after the last, based upon **ALL** the interviews during the course. Interviews are available only for the time period of the section they're included within (see important dates below).

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### IMPORTANT DATES:

23 JAN: INTRODUCTION AVAILABLE

30 JAN: WOMEN IN CHEMISTRY AVAILABLE

20 FEB: WOMEN IN CHEMISTRY ASSIGNMENTS DUE

20 FEB: WOMEN IN GEOLOGY AVAILABLE

13 MARCH: WOMEN IN GEOLOGY ASSIGNMENTS DUE

13 MARCH: WOMEN IN BIOLOGY AVAILABLE

18 MARCH: Spring Break

12 APRIL: Last day to drop with a W

17 APRIL: WOMEN IN BIOLOGY ASSIGNMENTS DUE

17 APRIL: WOMEN IN NATURAL RESOURCE MANAGEMENT AVAILABLE

8 MAY: WOMEN IN NATURAL RESOURCE MANAGEMENT ASSIGNMENTS DUE

8 MAY: Last class day, book report due, personal interview due

13 MAY: Final Exam Available

14 MAY: Final Exam Due

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### RULES TO LIVE BY:

Take notes during the interviews, there will be an assignment including all after the last.

Don't plagiarize. Your words should be your own.

**Don't just cut and paste from the internet. Read it first!**

Use citations for the material that you have used (format is your choice).

No team work, work alone.

**The library and archive staff may not be asked to find answers to assignments.**

Similar to exact assignments will receive zero points for all parties involved.

Watch those deadlines (see dates listed above)!

**NO LATE ASSIGNMENTS WILL BE ACCEPTED.**

Anything that isn't clear, contact Dr. Zech (jzech@sulross.edu; 432-837-8114).

Messages will be sent via e-mail and/or posted on blackboard, get in the habit of checking both.

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## **STUDENT LEARNING OUTCOMES:**

- SLO1 The student will be able to demonstrate an understanding of basic biological concepts, including but not limited to evolution via natural selection, cell theory, and the role and function of DNA.
- SLO2 The student will be able to demonstrate utilization of various field techniques toward addressing scientific questions in the specific discipline. These field techniques can include, but are not limited to, plant collection and processing, various animal collection techniques, ecological surveying and sampling, and biodiversity indexing.
- SLO3 The student will be able to use biological instrumentation to solve biological problems using standard observational strategies.
- SLO4 The student will develop writing skills by summarizing and critiquing recent relevant biological literature.

## **OBJECTIVES OF THIS COURSE:**

- Understand the role women have played in the development of science.
  - Realize the contributions women have made within the sciences.
  - Gain a better understanding and appreciation for women in science, past and present.
  - Understand the role of key figures and events in the history of biological science.
  - Explore the applications of scientific skills and knowledge to daily living
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## **DISTANCE EDUCATION STATEMENT:**

Students enrolled in distance education courses have equal access to the university's academic support services, library resources, and instructional technology support. For more information about accessing these resources, visit the SRSU website. Students should submit online assignments through Blackboard or SRSU email (e-mail for WIS!), which require secure login information to verify students' identities and to protect students' information. The procedures for filing a student complaint are included in the student handbook. Students enrolled in distance education courses at Sul Ross are expected to adhere to all policies pertaining to academic honesty and appropriate student conduct, as described in the student handbook. Students in web-based courses must maintain appropriate equipment and software, according to the needs and requirements of the course, as outlined on the SRSU website.

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**DISABILITIES INFORMATION:** Qualified students with disabilities needing academic or other accommodations to ensure full participation in the programs, services and activities at SRSU should contact the Disability Services Coordinator, in Counseling and Prevention Services, Ferguson Hall 112, Box C-122, Alpine, TX 79832 (432-837-8203).