

**SIOG 228 Research Seminar for BS/MS students**  
**WI21, Zoom meetings Wednesdays 4:30-6:30pm (Pacific Time)**

Instructor: Kathy Barbeau,  
Office Hours: Tuesdays Noon-2pm (PT) on Zoom, or by appointment  
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*Course description:* SIOG 228 is a weekly seminar course that develops research presentation and writing skills for students in the BS/MS program at Scripps.

*Course textbooks:* (both available as e-books through UCSD library, links below)  
Joshua Schimel, “Writing Science: How to write papers that get cited and proposal that get funded.” Oxford University Press. 2012  
<https://ebookcentral.proquest.com/lib/ucsd/detail.action?docID=845932>

Stephen B. Heard, “The Scientist’s Guide to Writing: How to write more easily and effectively throughout your scientific career.” Princeton University Press. 2016  
<https://www.jstor.org/stable/j.ctvcms67>

For information on how to set up the UCSD VPN to access library resources while off-campus, see: <http://blink.ucsd.edu/go/vpn>

*Course website:* [canvas.ucsd.edu](http://canvas.ucsd.edu)

All class Zoom meetings will be recorded and made available on the course website under Media Gallery.

*Grading:* 2 credit – letter grade (or S/U with covid exception this quarter)

<b>Date</b>	<b>In-class topics and exercises</b>	<b>Task assigned for following week</b>
Jan 6	Intro, icebreaker, course discussion	Read Schimel Ch 1&2
Jan 13	Story telling; story structure; Short article and Star exercise	Read Schimel Ch 5; Work on short article
Jan 20	The Opening; guess that journal exercise; fixing a bad opening exercise	Read Schimel Ch 6&7; Establish writing groups and share work; Submit short article opening
Jan 27	The Funnel; analyzing Science Reports intro funnels	Writing groups analyze specialist research article introductions for class presentation
Feb 3	The Challenge; writing group presentations and discussion of selected paper introductions	Read Schimel Ch 8; continue work on short article

Feb 10	The Action – analyzing methods sections in breakout groups	Everyone choose a figure to present in class discussion (can be a work in progress)
Feb 17	The Action continued – Results - sharing figures	Read Schimel Ch 9; work on action portion of short article
Feb 24	Sharing figures, continued	Work on conclusion of short article; circulate within writing group
Mar 3	Finish sharing figures	Continue refining short article
Mar 10	Wrap-up – Discussion and Resolution; writing group sharing; course evaluations	Submit short article by end of quarter (March 18 <sup>th</sup> )