VCU-wide RCR initiative for faculty

ReDAC

10/7/2020

VCU Responsible Conduct of Research (RCR) Course Matrix
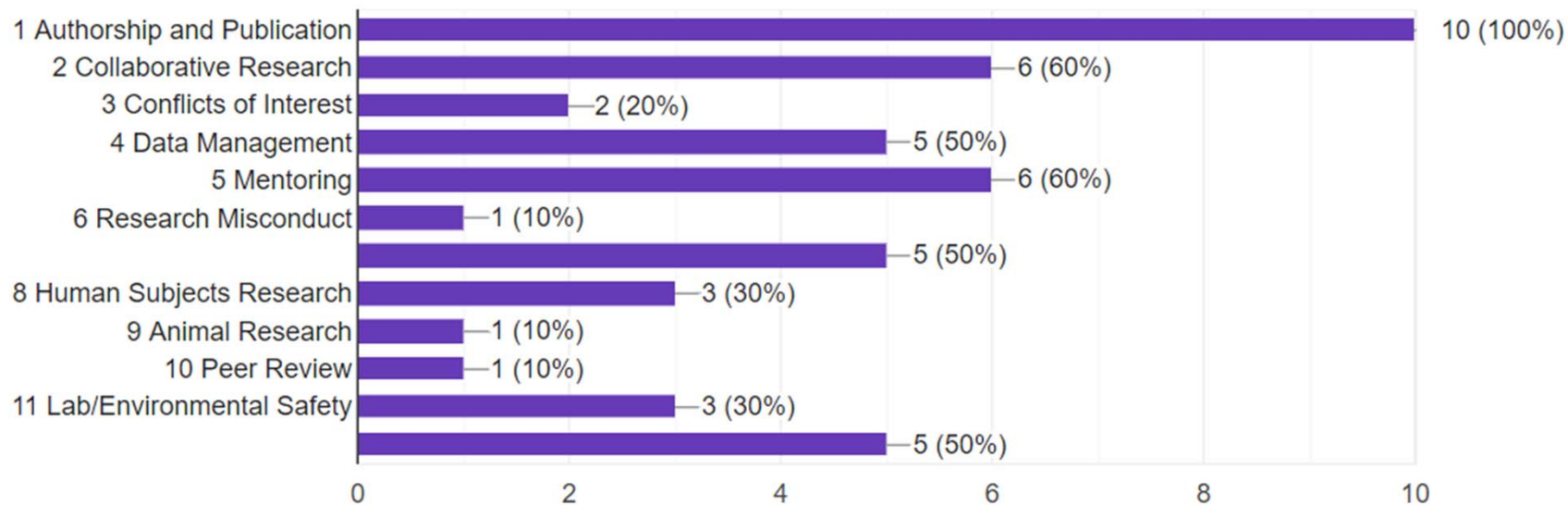
\+ MDonnenberg - SoM
  ALichtman – SoPh
  LMarshall – SoArts
  TYork – SoM, Data Science
  DDiaz-Granados – SoM
  HDonahue – CoE
  NExner - Libraries
  SFong – Life Sciences
  and others

Term	Title	Lead Instructor	Course Information	Target Audience	Meets RCR Course Requirements	Course Contact
Spring and Summer	Responsible Scientific Conduct (OVPR 602)	Markowitz	1 credit (pass/fail); online/classroom hybrid with 4 in-person class sessions; online component includes reading and writing assignments	Graduate students, postdoctoral scholars, and faculty	NIH and NSF	Dr. Monika Markowitz msmarkow@vcu.edu
Fall	Scientific Integrity (OVPR 601)	Markowitz	1 credit (pass/fail); online/classroom hybrid with 4 in-person class sessions; online component includes reading and writing assignments	Graduate students, postdoctoral scholars, and faculty	NIH and NSF	Dr. Monika Markowitz msmarkow@vcu.edu
Fall	Responsible Conduct of Research (OVPR 603)	Ryan	1 credit (pass/fail); online/classroom hybrid with 4-5 in-person class sessions; online component includes reading and writing assignments	Graduate students (including those in the Preparing Future Faculty Program) and postdoctoral scholars (PFF Program graduate students have priority)	NIH and NSF	Dr. John Ryan jiryan@vcu.edu or pffprogram@vcu.edu
Fall	Chemistry Perspectives & Ethics (CHEM 693)	El-Kaderi	1 credit (graded as S/U/F); classroom-based; meets weekly for 1.25 hours/week	All students in the chemistry, chemical biology, and nanoscience programs	NSF	Dr. Sally Hunnicutt sshunnic@vcu.edu
Fall and Spring	Research Ethics and Professional Development (ENGR 691)	Triplett	2 credits (graded A-F); classroom-based; meets weekly for 2 hours/week	Graduate students (whether in Engineering or not) and postdoctoral scholars	NSF	Dr. Gregory Triplett getriplett@vcu.edu
Fall	Introduction to Research (BIOL 392)	Golding	2 credits (graded A-F); classroom-based; meets bi-weekly for 50 minutes/week	Biology undergraduate students	NSF	Dr. Sarah Golding segolding@vcu.edu
Spring	Research Integrity (BIOL 604)	Golding	1 credit (graded as Pass /Fail); hybrid on-line and class meetings	Graduate students (Master's and entry-level Ph.D students). Broad bioscience applicability.	NIH and NSF	Dr. Sarah Golding segolding@vcu.edu
Summer	Scientific Integrity: Responsible Conduct of Research (NURS 700)	Robins	1 credit (graded A-F); online/classroom hybrid with 1 in-person session followed by video meetings and interactive online activities	Doctoral students in Nursing	NIH and NSF	Dr. Jo Robins jwrobins@vcu.edu
Continuous enrollment	General RCR	CITI	0 credits; online only	Undergraduate students, graduate students, and postdoctoral scholars	NSF	You Lee Kim ylhkim@vcu.edu
Continuous enrollment	General RCR for Engineering	CITI	Register for the applicable course by logging in to CITI through VCU	Engineering undergraduate students, graduate students, and postdoctoral scholars	NSF	You Lee Kim ylhkim@vcu.edu

3. Please check the 3 - 5 RCR topics you feel are currently most educationally pressing for your department and/ or school? (Based on questions or issues that arise in your area).

10 responses

Topic	Value
1 Authorship and Publication	10 (100%)
2 Collaborative Research	6 (60%)
3 Conflicts of Interest	2 (20%)
4 Data Management	5 (50%)
5 Mentoring	6 (60%)
6 Research Misconduct	1 (10%)
	5 (50%)
8 Human Subjects Research	3 (30%)
9 Animal Research	1 (10%)
10 Peer Review	1 (10%)
11 Lab/Environmental Safety	3 (30%)
	5 (50%)

Increasing interest in even more RCR – recent/ up coming

- IBMS 691 – MD/PhD, PhD students – Research Reproducibility and Transparency – Summer 2020
- Wright Center EAC – Regulatory Knowledge and Support
- SoM Faculty Affairs Brown Bag – authorship/data management 10/14/2020
- Student seminar in ethics – CoE 11/2020
- Panel on authorship/collaborative research – hosted by Wilder School
- Center on Health Disparities – *Impact of Culturally Aware Mentoring Interventions on Research Mentors and Graduate Training Programs*
  (UW-Madison) NIH Grant #U01 GM132372

Objectives

Engaging VCU faculty in RCR education and resources will:

- Optimize their currency on RCR content and practices in their fields
- Reinforce their ability to serve as mentors and role models
- Strengthen their knowledge about and adherence to regs, policies, and guidance r/t RCR in their discipline.
- Minimize detrimental research practices and research misconduct in their research settings.

Approach

- Provide/make available discipline-specific resources on RCR topics to faculty and staff
- Develop 'bite size' RCR topical discussion material for dept. meetings, research team meetings, relevant courses
- Provide discipline-specific case scenarios
- Promote dedicated time in dept. and lab/team meetings to discuss a case or RCR topic – 'train the trainer'

Who

- Faculty experts in RCR across depts./schools – ambassadors, planners, presenters
- Office of Research Integrity and Ethics in the OVPRI
- Point of contact in dept/division
- Faculty/staff across the university

Buy-in, feedback

- ReDAC – locate ambassadors
- Department chairs
- Council of Deans
- Faculty Senate

Next steps

- Identify 'points of contact' via ReDAC; secure 'buy in'
- Working groups to compile discipline-specific resources
- Develop evaluation modalities
- Start with one RCR topic eg. Authorship/publication

- Time frame for launch…. Spring 2021…

Contact Monika Markowitz, ORIE, with feedback, questions – msmarkow@vcu.edu