

Faculty Curriculum Mentoring



Mentoring is a highly successful, adaptable, and practical strategy for supporting the faculty members' success.

The "mentoring network" model empowers faculty to set in motion essential mentoring relationships suited to their unique needs, as opposed to more passive dependency.



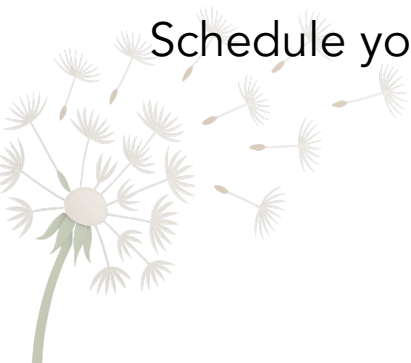
First meeting



Take an indepth look at the course

- How is the course offered? Online or In-person
- Are Graduate or Undergraduate Students enrolled?
- How frequency if course offered? Fall, Spring, Summer?
- Number of students anticipated to enroll?
- Spend time going through the course syllabus looking for points to inject science gateway and AI skills (very important),

Schedule your next meeting with the faculty.



Understand the course



Understanding the course delivery method. How is the course structured?

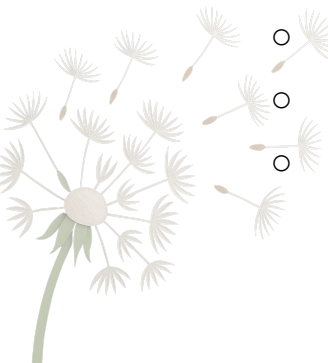
- Lectures vs. hands on
- Labs
- Homework and grading scheme
- Assigned Projects: team or individual
- Teaching examples
- Current use of HPC, AI, laboratories or laptops



Your contribution



- Faculty bring experience in teaching the course. You bring experience with science gateways and HPC resources.
- Be prepared to point to data sets, tutorials and science gateways related to the course. Review the SGX3 catalog : <https://sciencegateways.org/our-services/gateways-central-welcome>
- Share your experience with using the gateways, data or tools.
- You will have 3 sections of the final poster presentation that documents the resources shared and your next step suggestions. Example: https://github.com/aaomari45/Faculty-Hackathon-2024/blob/main/2024_FacultyHack24-GatewaysPoster.pptx
 - Mentors syllabus suggestions
 - Possible Expansion
 - Science gateway resources



Your contribution (Cont.)



Discuss follow-up mentoring opportunities

- Virtual or in-person guest lectures
- Research week seminar or distinguished lectures
- Gateway conference mentoring
- Opportunities for the faculty to visit your site
- Joint funding opportunities



A large, stylized dandelion with a green stem and leaves is on the left side of the slide. Several dandelion seeds with their feathery parachutes are floating in the air, some near the top and some further away. The background is white with a blue header bar at the top.

@FacultyHack
Gateways 25
SEPTEMBER 15 - 26, 2025

Other suggestions from 3 experienced faculty mentors

- Charlie Dey
- John Holmen
- Elijah MacCarthy