X-Student Research Groups:

Research teams made up of junior researchers and students

Information event

Berlin University Alliance

CCT „TEACHING AND LEARNING“

STUROP^{X}

Bridges (top-level) research and study

X-Tutorials
Research tutorials by students for students

X-Student Research Groups
Research teams made up of junior researchers and students

Berlin Conference for Student Research
Promoting awarenss of undergraduate research

Student Research Opportunities Program^{x}

X-Student Research Groups – Objectives:

- Students are actively involved in an actual research project. They participate in the different phases of a research process.
- Young scientists can bring their research into teaching.

X-Student Research Groups

- Connected to a current research project of a junior researcher (doctoral candidate, Postdoc, junior professor)
- Teaching assignment (35h) + material resources (up to 750€)
- Duration usually one semester (can be extended for another semester)
- Preparation of a short final report
- Funding of 16 X-Student Research Groups per semester by the Berlin University Alliance
- Preparation Workshop + regular meetings of the group leaders
- Administration of funds at Humboldt-Universität zu Berlin: granting of the teaching assignment + administration of the material funds
- Implementation of the teaching assignment at the institution to which the project is institutionally linked: booking of seminar rooms or use of teaching platform (via professor who is supporting your application)

X-Student Research Group als Lehrveranstaltung

Participants might come from different disciplines and different levels:

- BUA-Teaching and Learning: Student from all partner institution can participate (FU, HU, TU und Charité)
- Up to 15 participants per projekt, if more, participants are chosen by lot

Student gain credits

- 6 ECTS
- Credititabel in the extra curricula Area (e.g. Freie Wah /ABV/ÜwP), individual crediting in own study program is also possible (upon request)
- Low capacity (kapazitätsarm) because not assigned to a degree program

Modulbeschreibung X-Student Research Groups 6 LP

Modul: Forschungsprojekt mit Nachwuchsforschenden – X-Student Research Groups				
Hochschule: Partnerhochschulen der Berlin University Alliance: Charité, FU, HU, TU				
Modulverantwortliche/r: Dozentinnen und Dozenten des Moduls				
Zugangsvoraussetzungen: keine				
Qualifikationsziele: Studierende realisieren ein begrenztes Forschungsvorhaben, das an ein aktuell laufendes Forschungsprojekt angeknüpft ist, möglichst durch alle Phasen des Forschungsprozesses hindurch. Das kann beinhalten Forschungsfragen zu formulieren oder zu präzisieren, ein methodisches Vorgehen zu konzipieren, die Forschung umzusetzen und die Ergebnisse zusammenfassend zu dokumentieren. Sie haben ein Bewusstsein für herausfordernde Situationen im Forschungsprozess und können geeignete Lösungsansätze dafür entwickeln. Sie sind in der Lage allein oder in Kleingruppen Ziele für einen Arbeitsprozess zu definieren, Aufgaben entsprechend aufzuteilen und anderen Studierenden der Research Group Feedback zu geben. Sie haben die Fähigkeit, ihre Forschungsergebnisse wissenschaftlich und für externe Zielgruppen aufzubereiten und können ihren eigenen Lern- und Forschungsprozess kritisch reflektieren und bewerten. Sie haben ein Verständnis für die Abläufe des Forschungsprojektes, an dem sie beteiligt sind und für die Scientific Community, zu der sie für diesen begrenzten Zeitraum gehören.				
Inhalte: Das Modul bietet die Möglichkeit, Teilfragen eines aktuell laufenden Forschungsprojekts eines Nachwuchsforschenden zu bearbeiten. Dabei werden die hierfür notwendigen inhaltlichen Grundlagen erarbeitet und ein geeignetes methodisches Vorgehen angewendet. Prozessbegleitend werden Methoden für Peer-Feedback sowie für die Reflexion von Lern- und Forschungsprozessen eingesetzt. In projektbezogenen und für die studentische Forschung geeigneten Formaten werden die Ergebnisse diskutiert und in einem wissenschaftlichen Format aufbereitet und präsentiert.				
Lehr- und Lernformen	**Präsenzstudium** (Semesterwochenstunden = SWS)	**Formen aktiver Teilnahme**	**Arbeitsaufwand** (Stunden)	
Seminar	2	Kleingruppenarbeit, Diskussion	Seminar: Präsenzzeit Vor- und Nachbereitung	30 30
Lehrforschungsprojekt	120 h	Kleingruppenarbeit, Bearbeitung von Teilfragen eines aktuell laufenden Forschungsprojekts, Aufbereitung und Präsentation der Ergebnisse in einem wissenschaftlichen Format, Erstellung eines Reflexionsberichts	Lehrforschungsprojekt: Präsenzzeit	120
Leistungspunkte und Voraussetzung für deren Erteilung		Seminar: 2 LP - 1 LP für die Teilnahme - 1 LP für Vor- und Nachbereitung Lehrforschungsprojekt: 4 LP - 2 LP für die Planung und Durchführung des Projekts - 1 LP für die Aufbereitung der Ergebnisse in mündlicher Form (z. B. Vortrag, Posterpräsentation), in schriftlicher Form (z. B. Ergebnisbericht, Essay) oder in multimodaler Form (z. B. Audio- oder Videomaterial, Objektpräsentationen oder Ausstellung).		

Berlin University Alliance

Gefördert im Rahmen der Exzellenzstrategie von Bund und Ländern

From your Research to an X-Student Reserch Group

Research Project: Single aspect or connected topic

Junior researcher

department: Instituional connection (seminar room)

applys for

Consults

Expert Group: rates applications and reccomendation for funding
SC7: Decision for funding

StuROP^{x} coordination office: Gives teaching assignment

BUA-Büro für Studium und Lehre:
Entry course ctalogue, registration of participants

X-Student Reserch Group: 1 Semester

Preparation workshop → Start courses → Regular meetings amongst teachers → Presentaion of findingd: e.g.: Berlin Conference for Student Research → Reflection of research process with students

What the application entails:

- **Application form (online)**
  - Details on applicant and institutional link
  - Title of X-Student Research Group and title of your research project
- **Project outline**
- **Optional**: Application for material or travel funds up to a maximum of 750 euro
  - Requirement: The funds must be necessary for the research or project implementation, e.g. for: Moderation materials, entrance fees, printing costs, test person fees, software, consumables laboratory, software, honorarium for guest lecture... . When applying for more than 750€, it should be clear that the project is feasible even if only 750€ can be granted (as this is dependent on available residual funds).
- **Formular:** Documentary of the affiliation of the X-Student Group to an institute
  - Confirmation (signature) by a Professor
  - Institutional affiliation = Responsible for conducting the X-Student Research Group with regard to providing a seminar room, using a Laboratory or appliances, providing access to platforms like Isis/Moodle/Backboard or video conference systems of the hosting university

Incomplete applications won‘t be considered in the review process!

Criteria and ist prioritzation for the evaluation of applications

Please find the notes on the project outline on our website:

https://www.berlin-university-alliance.de/en/commitments/teaching-learning/sturop/research-groups/call-for-proposals/project-outline.pdf

1. Quality of content

Precise Question or topic for student research group, relevance, reference to your research, aspects that can be investigated by students, methodology, presentation of outcomes

2. Realization

Working phases, integration of students, work load

3. Participating students

diciplines, previous knowledge

4. Description of roles

Reserch team!

5. Cooperation/contribution to the BUA

StuROPx-Expert Group

- Reviewers of the applicactions
- 40 Members, parity equality of the four partners in the alliance, gender parity, interdisciplinary
- professors, research assistants, students
- Applications are reviewed by experts and experts from other fields

What is important to the reviewers?

Applications are scored by precisely defined criteria. However, when many good applications are submitted the overall impression is important .

- Clear research question!
- Students can bring in own ideas
- Originality
- Trans- or interdisciplinary approach
- Interesting topic for students
- Realistic time schedule for research project
- An open-ended and participative project (no classical seminar plans!)
- Reasonable workload for students (approx. 180 hours)
- Well and understandable (also for non-specialists!) written applications

Conception of a course in research-based learning

- Characteristics
- Phases

Characteristics of a research-based learning course

- Students experience (nearly) a complete research process, they work on their own questions and they generate (for themselves new) scientific knowledge and prepare this for third parties.
- Research-based learning presupposes that students experience or understand (approximately) all steps in the research process themselves. The phases of research-based learning thus largely correspond to the typical steps of a research process (based on Huber, 2013).
- The research takes place together (or in small groups) to a large extent in the context of the course and not (like in a classical seminar) in individual work and only after the course. The findings of the students are rather discussed together and the research process is reflected upon.

Phases in research-based learning (after Huber, 2013)

- Entering the research field: Perceive an initial problem or framing issue.
- Identify possible (sub-) research questions
- Develop information and theoretical approaches (research situation)
- Select and acquire methods
- Develop research design
- Conduct a research activity: collect data, develop something, analyze....
- Prepare and present results
- Reflect on the research process

The order of the steps differs depending on the discipline and the research project. As in real research projects, the steps are not always to be worked through chronologically, but rather, depending on the project, the sequence can overlap, intermingle, and in some cases repeat itself.

Please describe a research project in your project outline, not a normal seminar.

Further Questions?
Please check out the FAQs: https://www.berlin-university-alliance.de/commitments/teaching-learning/sturop/research-groups/faq-groups/index.html
Contact:
sturop@berlin-university-alliance.de

Please submit your application until: **June 6th 2022**