

大學部學生暑期研究計畫主題徵求公告

主旨及活動說明：

為使大學部學生能利用修課所獲得的數學知識進行更深入的探討，並提升學生對數學研究的興趣，本中心特別舉辦為期六週(2025年7月7日至8月16日止)的大學部學生暑期研究計畫，本期預計徵求6個主題，過去活動內容請參考：

<https://sites.google.com/ncts.ntu.edu.tw/nctsusrp>

1.活動時程初步規劃如下：

時間	活動
2025/7/7~2025/7/8	博雅講談
活動第三周	期中報告
活動期間之周三	通俗演講(2~3場)
2025/8/16	期末報告及聚餐
2025/8/29前	繳交書面研究成果報告(每組)及意見回饋(每人)

博雅講談旨在介紹各組的研究主題，及增進師生交流互動。後續六週各組將由1-2位教授或博士後研究員進行指導，帶領學生循序漸進深入研究。

2.歡迎教師與國外學者合作共同指導，可以參考SLMath的Undergraduate Program (MSRI-UP) https://www.slmath.org/msri-up#past_msri_up，或與其他組教師合作，整合重要研究主題。

3.未來組建研究團隊時，請慎重考慮學生組員的多元性和多樣性，避免來自單一系所。

4.學生於活動期間須全程在中心進行研究，中心將配合提供研究所需的空間及各項軟硬體設施，並安排有需求學生活動期間之住宿。

徵求計畫主題及指導教授：

中心補助指導教授指導費每組30,000元，另補助指導老師交通與住宿費用(上限20,000元)及每組一名助教。凡有興趣擔任指導教授的研究人員，請提出研究主題、主題介紹、活動規劃與目標、學生先備知識、「推薦/活動前必備讀物」及相關參考資料不超過3頁，於**2025年1月20日前**Email至apply2@ncts.tw，聯絡人曾小姐，電話：02-3366-8831。

- 活動期間指導教授如需出國，須與其他研究人員共同提出申請，確保至少一名指導教授在台。
- 助教需全程在中心協助學生，指導費用為20,000元，中心將安排有需求之助教活動期間的住宿。被錄取之主題，須在公告給學生申請前，與中心協調好助教人選。

Call for Proposals: NCTS Undergraduate Summer Research Program

Purpose and Overview:

The NCTS Undergraduate Summer Research Program (USRP) offers undergraduate students an invaluable opportunity to immerse themselves into the world of research. The NCTS provides accepted students a chance to deepen their understanding of key mathematical concepts and tackle challenging problems under the guidance of 1-2 professors or postdoctoral fellows during the six week program. The 2025 NCTS USRP will take place from **July 7 to August 16, 2025** and plans to solicit about 6 proposals. More information about the program and past activities can be found at: <https://sites.google.com/ncts.ntu.edu.tw/nctsusrp>

1. The tentative schedule for 2025 NCTS USRP is :

Time	Event
2025/7/7~2025/7/8	Introduction and colloquium-style lectures on the topics
In the third week	Mid-term report
Wednesday noon	Public lectures (in total 2–3 lectures)
2025/8/16	Final report and dinner gathering
Before 2025/8/29	Submission of research reports (as a group) and individual feedback

The first two day activities aim to introduce each group's research topics and facilitate the interactions and discussions among all participants.

2. Collaboration with foreign scholars, and collaborations between different teams to integrate important research themes are encouraged. We also refer to SLMath's Undergraduate Program (MSRI-UP) https://www.slmath.org/msri-up#past_msri_up for some innovative approaches.
3. While forming future research teams, please very seriously consider the diversity and variety of student team members, and avoid having members come from a single department.
4. All participants will be provided with shared office space at the NCTS. Full-time participation is expected, and students are expected to work full-time on the project at the NCTS during office hours (unless otherwise approved). Accommodation will be arranged for pre-approved students.

Call for proposals and mentors:

The center will provide a guidance fee of 30,000 NTD and one teaching assistant per group, and will also cover the transportation and accommodation for mentors (up to 20,000 NTD). For scholars interested in leading one group in the 2025 NCTS USRP, please submit a detailed proposal (up to 3 pages) including the research topic, its introduction, plans and objectives, required backgrounds, recommended/essential readings before the program, and relevant references to apply2@ncts.tw by **January 20, 2025**. For inquiries, please contact Ms. Tseng at phone number: 02-3366-8831.

- If the potential mentor has travel plans during the period of the program, please submit a joint application with other researchers to ensure that at least one supervising professor remains in Taiwan.
- Teaching assistants are required to assist students at the center throughout the entire program. The stipend for teaching assistants is NT\$20,000, and the center will arrange accommodation for teaching assistants during the program if needed. For approved topics, the selection of teaching assistants must be coordinated with the center and done before the announcement for student applications.