Course

ENGR 485: Directed Studies (3 CR)
The student will carry out original research under the direct supervision of a faculty member at the Indian Institute of Technology Kanpur. The quality of the research will be driven by the objective of presenting it at an international conference and publishing it in an international journal. Some examples of the past projects are:

- The Effect of the Volume Fraction of Silica Nano-particles on the Fracture Toughness of Silica-epoxy Composites
- Performance Analysis of a Vertical Axis Wind Turbine with a Variable Pitch
- The Effect of Vehicular Transport on Storm Water Quality
- Solar Panels with Shape Memory Alloy Actuation
- The Use of RELAP5 for the Analysis of a Nuclear Reactor
- Dynamics and Performance Analysis of Helicopters

Faculty Leader

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Eligibility Requirements:
- Minimum 2.5 GPA
- Good academic standing with the university
- Required to attend all program specific orientations
Funding is available in many forms. For complete information on funding opportunities, please visit the Study Abroad Programs Office/Funding Your Program/Scholarships.

**http://studyabroad.tamu.edu**

**Scholarships:** The Study Abroad Programs Office offers scholarships based on merit and financial need. Applications are available through Scholarships and Financial Aid and deadlines are listed on the website below. The Continuing Student Scholarship application opens November 1st, 2014 and closes at 11:59 p.m. on February 1st, 2015.

**https://sfaid.tamu.edu/uwideapp/**

**Financial Aid:** Federal and state financial aid and some scholarships may often be used toward the cost of TAMU study abroad programs. Once the budget is finalized, students will receive a Budget Request Form. Students that need financial aid are encouraged to schedule a meeting with a Financial Aid Counselor (2nd Floor Pavilion) or 979-845-3236.

**Kanpur**

The Indian Institute of Technology Kanpur is one of the finest engineering institutes in the world. It was founded in 1960 by a consortium of nine leading American universities including MIT, Caltech, Princeton, and Stanford. Kanpur is a mere five hours away from the capital New Delhi and two hours from Taj Mahal. It is quite convenient to visit tourist attractions such as New Delhi, Bombay, Amritsar, Jaipur, Khajuraho, etc.

**Description**

During the ten-week internship the student will go on four or five weekend trips to some of the following places: Agra (Taj Mahal); Lucknow; Rajasthan (Udaipur, Jaipur, and Pushkar); Varanasi (the holy city); Khati (the tiger preserve); Bombay; Amritsar (the holy city of the Sikhs) and Khajuraho (ancient temples). The cost of these trips (estimated to be about $1,000) is included in the estimate below.

After the internship, there will be an optional tour of India for about a week where the students will go to one of the following places: (1) South India: Kanpur, Delhi, Cochin, Goa, and Delhi (2) Nepal and (3) Hyderabad and Bangalore. The cost of these optional trips is not included.

**Cost**

The following chart estimates the total out-of-pocket expenses a student may have participating in this program.

<table>
<thead>
<tr>
<th>Estimated Program Fee (subject to change)</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Housing, Tours, and Excursions, Coordination and Administration, Cultural Insurance Services International (CISI), Miscellaneous</td>
<td>$2,000</td>
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**Additional Expenses - not included in the program fee**

| Tuition & Fees (in-state resident for 3 credit hours) | $1,000* |
| International Airfare | $2,000 |
| Passport (if not previously obtained) | $145 |
| Indian Visa | $145 |
| Meals (Not included in Program Fee) | $400 |

**SUBTOTAL**

$5,690

| COE Competitive Scholarship (guaranteed) for students with a 2.5 GPA at time of application | $1,800 |
| IIT Kanpur Scholarship (guaranteed) upon arrival at IIT Kanpur | $2,000 |

**TOTAL ESTIMATED COST**

$1,890

*Check Student Business Services website (http://sbs.tamu.edu) for exact tuition/fee amount as it varies per student.