

UNIVERSITÉ DE TECHNOLOGIE DE TROYES, FRANCE

International Center

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SUMMER PROGRAM 2019 AT UTT PROPOSAL FOR NANYANG TECHNOLOGICAL UNIVERSITY STUDENTS (SINGAPOUR)



UTT proposes a summer program for year 2019 to students from Nanyang Technological University, according to details (dates, numbers, financial arrangements, etc.) listed in the present document.

16th UTT SUMMER PROGRAM for NTU students

**Since 2005, over 270 Singaporean students already experienced and enjoyed
this successful program!!!**

Be part of the 2019 group AND ENJOY!



I. PROGRAM'S FEATURES

- **Dates:** Arrival at UTT on Friday **May 17** - Departure on **June 23, 2019** (5 weeks)
- **Number of students accepted in the program:** 10 (a waiting list can be prepared in case the other partners don't fill their spots)
- **Deadline: February 18, 2019**
 1. Students must apply to the IRO of NTU and fill in UTT online application which will be available [on this webpage](#).
 2. NTU IRO will nominate the selected students by sending the list of students to UTT (elodie.mauffroy@utt.fr).
- **Arrivals:** Selected students will be required to fill in the arrival form they will find at the same online address above as soon as they know their arrival details (flight number, etc.) and no later than April 23, 2019.

II. FINANCIAL ASPECTS

All the figures are in Euros

1. **What the UTT would charge to NTU students (cost per student): 1720.00€**

This amount is per head and will be invoiced by UTT directly to each participant who will be officially registered at the date of April 1st.

This amount includes:

Accommodation in Troyes included from May 17 (arrival in the afternoon) to June 20 in the morning – triple rooms with shower and toilet in a residence close to UTT – sheets provided.
3-day /3-night week-end in Paris: includes transportation by coach from Troyes to Paris, 5-day Paris public transport Pass, hotel, breakfasts, supervision until June 23 – 7am) – (Fee-paying visits, lunches and dinners are not included)
4-day/3-night tour in Normandie: D-Day landing beach, visit of Mont Saint Michel including abbey, visit of an oyster farm with tasting, guided visit of the city of Saint Malo, visit of Chambord and Amboise Châteaux de la Loire. Transportation by coach, accommodation + breakfasts, 2 dinners included.
3-day / 2-night "Adventure week end" in the Acro'Parc located between the Drome Provencales and the Vercors Regional Nature Park: accommodation, 4 fun activities (caving and canoeing, via ferrata, electric off road scooters, canyoning), transportation by coach, 2 breakfasts, 3 lunches, 2 dinners, supervision, insurance, accredited staff). <u>It is compulsory to be able to swim</u> for activities in water. Students who don't drink and/or eat during day-time may not be authorized to do some activities for security reasons without refund.
Transportation on arrival and departure between Paris and Troyes under conditions (see below).
Bus card for about 20 trips between the residence and Troyes city center (validity 30 days)
Civil liability insurance (compulsory to enter the accommodation)

Students admitted in the program have to pay the above fee to UTT by sending a bankdraft or wireless transfer in order to guaranty their admission.

Please note: No refunds will be made for withdrawals from the list of selected students after April 1, 2019. (Refunds for withdrawals before April 1st would be reduced of bank charges).

2. Additional expenses to be paid in France and not charged to NTU students by UTT

- Transportation home country-France
- The meals that are not included in the program can be taken at the university restaurant from Monday to Friday for lunch for about 3.50€ (Estimated cost: 70€)
The other meals may be taken in restaurants, take-away, supermarkets, ... or at the residence upon registration (10 to 12€).
Cost may vary according to each student. (Estimation: 420€)
- Other activities or personal expenses
- Medical insurance and expenses
- free week-ends on weeks 4 and 5

3. The UTT would pay for the following expenses:

- Welcoming meals and farewell party
- Visit of Troyes and museum
- Social evening with UTT students
- Academic courses
- Additional supervision or transportation

4. Important notice

4.1. Each student is responsible for caring insurance for **medical care and medical repatriation; steals, loss of, damages to luggage and owns** during the whole program.

Civil liability coverage is included in the program cost (II.1 above).

All damages or missing items (pillows, keys ...) in the student residence will be either paid by the student on site or billed by UTT to the students (based on the residence invoice) according to the room numbers and names of the students living in those rooms.

4.2. Admission letters and attestations will be delivered for those who need a visa (depending on the citizenship) or upon request.

4.3. Transportation on arrival and departure

Arrivals: All students are required to arrive on May 17. Students must arrange transportation from their home country taking into account that 1 coach will pick up all students at the same time at **CDG airport at 3pm on May 17** and will transfer the group to the accommodation in Troyes.

Strong advice: To avoid missing connecting flights or loss of luggage, allow enough time for connections (if applicable).

Students should land at the airport at 1.30pm at the latest in order to clear out of the customs early enough.

Students not able to take the 3pm coach may be asked to reach Troyes by train by themselves. Students are recommended to check buses and trains schedules.

In case of a missed or deleted flight on the arrival day, students must contact UTT **right away** so that separate transfer to Troyes may be reorganized on spot based on circumstances.

Departures: The final departure from Troyes will be June 20 and the program will officially end at the hotel in Paris on June 23 at 7.00 am.

On Sunday June 23, students may either organize additional personal travel arrangements or take a flight home. Transportation by metro/RER from Paris Center to the airport or train station will be possible using the 5-day Paris pass.

III. CALENDAR

(Subject to changes, dates of activities may vary; if an activity can't take place, another activity or service will be proposed).

Week 1	Friday	May	17	Arrivals , pick up at airport and transfer to Troyes - settling in accommodation - Dinner provided (sandwich)
	Saturday	May	18	Visit of the neighborhood - Free time
	Sunday	May	19	Guided visit of Troyes - more information on Troyes Welcome dinner for all summer program students (USA, Singapore)
Week 2	Monday	May	20	Morning: Reception, presentation and visit of UTT Afternoon: first classes Evening: Social evening with UTT students
	Tuesday	May	21	Classes
	Wednesday	May	22	Classes
	Thursday	May	23	Classes
	Friday	May	24	Adventure weekend – (see additional details and photos at the end of this document)
	Saturday	May	25	
	Sunday	May	26	
Week 3	Monday	May	27	Classes
	Tuesday	May	28	Classes
	Wednesday	May	29	Classes
	Thursday	May	30	Weekend in Normandie, Mont Saint Michel, Loire castles
	Friday	June	31	
	Saturday	June	01	
	Sunday	June	02	
Week 4	Monday	June	03	Classes
	Tuesday	June	04	Classes
	Wednesday	June	05	Classes
	Thursday	June	06	Classes
	Friday	June	07	Classes
	Saturday	June	08	3-day Free weekend to take a chance to visit other part of France Europe (To be organised by each student by him/herself- not included)
	Sunday	June	09	
	Week 5	Monday	June	10
Tuesday		June	11	
Wednesday		June	12	Classes
Thursday		June	13	Classes
Friday		June	14	Classes
Saturday		June	15	2-day Free weekend to take a chance to visit other part of France Europe (To be organised by each student by him/herself- not included)
Sunday		June	16	
Week 6	Monday	June	17	Classes
	Tuesday	June	18	Classes
	Wednesday	June	19	Summer program final exams - Feedback session Farewell dinner
	Thursday	June	20	Weekend in Paris Free time, advice provided on places of interest. public transport pass included for 5 days valid from June 20. On the 21 evening and night: music festival day (national, on your own)
	Friday	June	21	
	Saturday	June	22	
		Sunday	June	23

IV.

ACADEMIC PROGRAM

UTT will provide 2 courses:

- 1) Sustainability, life cycle thinking and Industrial Ecology (51 hours)
- 2) Europe and France – Institutions, history and civilization (45 hours)
(lectures will be shared with students from other universities)

Course 1: Sustainability, life cycle thinking and Industrial Ecology

Summer Course at University of Technology of Troyes, France (51 hours, 6 ECTS credits)
Instructor: Dr. Bertrand LARATTE and Dr. Junbeum KIM

Course objective and description

Sustainability is one the biggest principles which consider economic, human and environmental aspect in future development. The students successfully completing this course will have a solid understanding of the emerging discipline of sustainability, life cycle thinking and industrial ecology. The students will also be able to solve several types of problems linked to estimating the human impact on global systems as well as how to reduce this impact. Finally, the students will be able to contribute ideas toward solutions to some of our society's most pressing environmental problems by applying the principles of sustainability, a focus on environmental areas with the notion of life cycle thinking, and the principles and methods of industrial ecology.

Course structure and outline

- 1) Sustainability (5hours)
 - Introduction to Sustainability.
 - Sustainability or Collapsing?
 - The Anthropocene.

References:

The class will use very different materials, from journal articles to short videos. Among scientific sources are the following documents:

World Commission on Environment & Development, Our Common Future, Oxford University Press 1987.

Paul Crutzen, A Geology of Mankind, Nature, Nature 415, 23 (3 January 2002).

Steffen, W., et al., Global Change and the Earth System: A Planet Under Pressure, The IGBP Series, Springer, 2004.

Diamond, J. Collapse: How Societies Choose to Fail or Succeed, Viking Press, 2005.

Homework:

2 assignments (1 reading assignment; a 1-page scenario writing)

Exam:

1 quizz

2) Life Cycle Thinking (23 hours)

- Eco-design
- Environmental Impact Assessment
- Life Cycle Assessment
- Environmental Communication

References: There in no textbook for this part. The class will use summaries of journal articles as well as summaries of books and manuals. Some of the books from which material has been taken include the following:

- Product design and environment: 90 examples of eco-design, French Agency for environment and energy management

- Design for sustainability: a sourcebook of integrated eco-logical solutions, Birkeland, Janis
- Life cycle design: a manual for small and medium-sized enterprises, Berlin New York : Springer

Homework: 1 report on a simplified environmental assessment of a product (10 pages maximum)

Exam: 1 oral presentation (15 to 20 minutes)

3) Industrial Ecology (23 hours)

- Symbiosis
- Resource management
- Material and Waste Flow Analysis

References: There is no textbook for this part. However, the class will use summaries of journal articles as well as summaries of books provided by the instructor. Some of the books from which material has been taken include the following:

- Industrial Ecology (2ND Edition), T.E. Graedel and Braden Allenby, Prentice Hall; 2 edition
- Industrial Ecology and Sustainable Engineering, T.E. Graedel and Braden Allenby, Prentice Hall; 1 edition
- Practical Handbook of Material Flow Analysis (Advanced Methods in Resource and Waste Management Series, Paul H. Brunner and Helmut Rechberger, CRC Press

Homework: 1 assignment consisting of a 2-page summary of a related journal paper (Journal of Industrial Ecology, International Journal of Life Cycle Assessment etc.)

Exam: 1 exam on industrial ecology and material flow analysis

Assessment

Class Participation 20%

Homework 40%

Final Exam 40%

Course 2: European institutions, French culture and language and French technology (45 hours)

1. Description

This course introduces foreign students to European institutions, history and civilization with a focus on what makes France unique from historical, political and cultural point of views.

2. Course objectives

- To introduce students to landmarks of French history.
- To introduce students to the impact the French Revolution had on French society and culture and how it is still visible today through 'France's exception' (Republic, secularity, ...)
- To introduce students to the European Union, from its history to its impact on European politics today.
- To provide students with opportunities to discover French culture.

3. Organization: lectures, group discussions, presentations by the students.

4. Assessment: final exam and student presentation

V. USEFUL INFORMATION

Adventure week-end in the Acro'Parc located between the Drome Provencales and the Vercors Regional Nature Park (Alps).

This kind of activity is extremely popular with our French and international Students.
(half day drive from Troyes)



Activities are supervised by a professional specialized agency.

4 activities (canyoning, trot'in electric bike, Canoe kayak, Via ferrata) are included in the program fee and are at beginners' level. Students are required to register in the activities in the application form. Note that activities may be cancelled or replaced for security reasons due to weather conditions.

Canyoning is traveling in canyons using a variety of techniques that may include other outdoor activities such as walking, scrambling, climbing, jumping, abseiling (rapelling), and/or swimming.

Trot'in electric bike

Canoe Kayak and tube: discover the drôme river one of the wildest in France

Via ferrata is a protected climbing route found in the Alps and certain other locations. The essence of a modern via ferrata is a steel cable which runs along the route and is periodically (every 1 to 10 metres (3.3 to 32.8 ft) fixed to the rock. Using a via ferrata kit, climbers can secure themselves to the cable, limiting any fall.

Students MUST know how to swim for the canyoning and Canoe activities.



