

# Field Trips



Field Trips

Academic field trips are the enjoyable element of education. Field trips enhance significantly the content introduced in a course through conveying certain elements that cannot be illustrated with a broad spectrum in classrooms. There are several courses in the Faculty of Biotechnology that include going on field trips.

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**Fall 2023 - Spring 2024**

To contribute to an interactive learning environment and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of the **"Food Safety Course"** on 6<sup>th</sup> of December 2023. **A total of 70 students** and **2 assisting staff** were accompanied by **Dr. Mohamed Emad** for a visit to **Juhayna Juice Factory**. During the trip, the students had the opportunity to observe the whole manufacturing process of different lines of juice starting from receiving the raw materials to the filling and packaging lines. They also explored quality control units, as well as chemical and microbiological labs.



To contribute to an interactive learning environment and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of the **"Bimolecular Archeology Course"**, a total of **15 students** were accompanied by **Dr. Rania Momtaz** for a visit to the **Jabal Qatrani Protected Area**. The visit included sites from 4 eras which represent the deep history of the planet Earth demonstrating how much it was greatly different from nowadays.





To contribute to an interactive learning environment and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of the **"Stem Cells Course"** on 26<sup>th</sup> of November 2023. A total of **50 students** and **1 assisting staff** were engaged in a visit to the **Cell Safe Bank**.



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**Fall 2022 - Spring 2023**

## Nawah Scientific Research Center Trip

To contribute to an interactive learning environment and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of the **"Gene Therapy Course"**, a total of **30** students and **1** assisting staff were accompanied by **Dr. Ahmed Nour El-Din** for a visit to the **Nawah Scientific Research Centre**. The tour included the Mammalian tissue culture lab, Microbiology lab, Nanotechnology lab, Analytical chemistry lab, and stability testing lab.





## “Egyptian Starch and Glucose Company”

To contribute to an interactive learning environment and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of the “**Industrial Projects Course**”, where **30** students and **2** teaching assistants visited the **Egyptian Starch and Glucose Company**. The tour included an insightful session on the development and production processes involving starch and glucose and the production line.





## “Alwatania Poultry Egypt Field Trip”

To contribute to an interactive learning environment and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of the “**Industrial Projects Course**”, where **30** students and **2** teaching assistants visited the **Alwatania Poultry Egypt**. The tour included detailed information on the sourcing, quality control, and packaging of their animal feed products and how biotech research can come in handy to remediate those issues.



## “Tatweer Factory Trip”

To contribute to an interactive learning environment and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of the **“Industrial Projects Course”**, where **30** students and **2** teaching assistants visited the **Tatweer Factory**. The tour included insightful on the importance of animal feed production and the importance of supplying a healthy chain originating from crop production to animal nourishment as it is a solid indicator of a strong economy.





## “Armed Forces Veterinary Hospital Trip”

To contribute to an interactive learning environment and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of the “**Industrial Projects Course**”, where **50** students and **2** teaching assistants visited the **Armed Forces Veterinary Hospital**. The tour included all facilities which comprise over 15 laboratories dedicated to groundbreaking research in animal health and well-being!





## **Graduation Project Visit at BUE: Experience, Insights, and Cutting-Edge Technologies**

A transformative visit for **15** graduating students was organized to the British University in Egypt (BUE). This visit helped the students to gain valuable experience, insights, and exposure to BUE's academic environment, as well as top research equipment and technologies. The visit included orientation, interactions with faculty, access to state-of-the-art laboratories, and a glimpse into vibrant campus life. This event showcased BUE's commitment to research excellence and holistic student development. This visit was organized by **Dr. Kareema Nasr Eldin, Dr. Mohamed Refaat and Dr. Mohamed Hodhod.**



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**Fall 2021 - Spring 2022**

## “Field Trip to Zenin Waste Water Treatment”

To contribute to an interactive learning environment, and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of the “Industrial Projects Course”, where 50 students and 2 teaching assistants visited the Zenin Waste Water Treatment





## “Field Trip to Imbaba Water Treatment”

To contribute to an interactive learning environment, and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of the “**Industrial Projects Course**”, where **50** students and **2** teaching assistants visited the **Imbaba Water Treatment**.



## “Field Trip to Algae Unit at the National Research Centre”

To contribute to an interactive learning environment, and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of the “**Industrial Projects Course**”, where **30** students and **2** teaching assistants visited the **Algae Unit at the National Research Centre**.





## “Field Trip to Nawah Scientific Research Centre”

To contribute to an interactive learning environment, and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of the “**Gene Therapy Course**”, a total of **28** students and **1** assisting staff were engaged in a visit to the **Nawah Scientific Research Centre**.





## “Field Trip to Cell Safe Bank”

To contribute to an interactive learning environment, and enhance the overall learning experience. The faculty of biotechnology organized a field trip as part of “**Stem Cell Course**”, a total of **30** students and **1** assisting staff were engaged in a visit to the **Cell Safe Bank**.





**Fall 2020 - Spring 2021**

## “Field Trip to Zenin Sewage Treatment”

As part of “**Industrial Projects Course**”, **30** students and 2 teaching assistants engaged in a visit to the **zenin Sewage Treatment**.





## “Imbaba Fresh Water Treatment”

As part of “**Industrial Projects Course**”, **30** students and 1 teaching assistant engaged in a visit to the **Imbaba fresh water Treatment**.





## “Petroleum Research Centre”

As part of “**Petroleum Biotechnology Course**”, a total of 80 students divided into 4 groups of 20 student each engaged in a visit to the **Petroleum Research Centre** dated **26<sup>th</sup> of April, 5<sup>th</sup> , 19<sup>th</sup> and the 20<sup>th</sup> of May 2021.**





**Fall 2018 - Spring 2019**



## "Edita"

As part of "**Industrial project course**", **166** students of the faculty of Biotechnology attended a visit to the Edita food factories.



"**Juhayna Company**" Our teaching assistants **Maram Ahmed** and **Maryam Mohamed**, have represented the faculty at the visit to Juhayna company organized by the MSA-Student Committee. Training



## “Dohler”

As part of “**Industrial project course**”, **166** students had a field trip to Dohler, a manufacturing company that specializes in artificial flavours and additives.



## “Juhayna Company”

As part of “**Industrial project course**”, **166** students engaged in a visit to the Juhayna factories to examine the production of various dairy and food products.





## “The Nanotechnology Laboratory of the Regional Center”

As part of the “**Industrial project course**”, the third level students attended a visit to The Nanotechnology Laboratory for food and Feed at the Agricultural Research Centre.



## "ECARU"

As part of "**Industrial project course**", **166** students attended a field visit to the Solid wastes recycling company ECARU.



## **“Plant Protection Research Institute”**

As part of **“Host Plant Resistance course”**, the students of faculty of biotechnology attended the visit to examine the production of silk worms and to examine various insect lifecycles and growth conditions.







**Fall 2017 - Spring 2018**

## "Kemico"

As part of **"Industrial project course"**, the students of the faculty of Biotechnology attended a visit to the Kuwaiti-Egyptian for Medical Industries Company (Kemico).



## "Wadi Food"

As part of **"Industrial project course"**, the students of faculty of biotechnology got to go on a field trip to Wadi food, a manufacturing company that specializes in miscallenous products such as olive oil, pickled products and many others.



**"Technological Dairy Unit, Faculty of Agriculture, Cairo University"**

As part of **"Industrial project course"**, The aim of the visit was first to get acquainted with the manufacturing processes of making cheese, custard, rice pudding and yogurt >>



**"ECARU"**

As part of **"Industrial project course"**, Students of faculty of biotechnology attended a field visit to the Solid wastes recycling company ECARU >>



**"57357 Children Cancer Hospital"**

The visit aimed at showing the different techniques used in the field of immunology. This visit was specifically arranged for the students of the **"Advanced Immunology" course** >>





## **"Kafr Al Sheikh University"**

The field trip was organized as part of the **"Nanotechnology elective course"**. The aim of the visit to the University was to view the latest technological and scientific advances and developments at the institute of nanotechnology



## **"Vaccine and Serum Veterinary Research Institute."**

Organized as part of **"Biochemical engineering course"**. The students monitored the operation of different bioreactors for vaccine mass production.



## **"The Nanotechnology Laboratory of the Regional Center"**

As part of **"Nanotechnology course"**, the third level students of the faculty of Biotechnology attended a visit to The Nanotechnology Laboratory of the Regional Center for food and Feed at the Agricultural Research





**Fall 2016 - Spring 2017**

# Field Trips and community work

Academic field trips are the enjoyable element of education. Field trips enhance significantly the content introduced in a course through conveying certain elements that cannot be illustrated with a broad spectrum in classrooms. There are several courses in the Faculty of Biotechnology that include going on field trips. One of the main courses that involve

various field trips is the “Industrial Project” that project promotes a spectrum of benefits to the students. We intend to visit various sites as the ones mentioned in the following table



Glucose and Starch Factory

AGERI

Cell Safe Cord Blood Bank

Egyptian Company for solid waste

Nano- Technology Centre

Ice man Factory

Central palm of tissue culture