# Graduate Opinion Survey v2.0

This survey is part of the iTeach EU funded Erasmus project investigating the effectiveness of the delivery of core chemical engineering knowledge and competencies. The survey is designed to assess whether, and to what extent, intended university learning outcomes are relevant after graduation and how they are currently delivered.

The survey should take approximately 10-15 minutes to complete



## Contact Details

We first need to gather a little information about who is actually filling in our forms. This will provide us with some contextual data that we can use to look for trends based on geographical location etc. This information is strictly in confidence and you are not required to provide it in order to complete the forms. It would however be very useful to the project if you could provide full details within this section.

**Name**

Title First Last Suffix

**Email**

**Company**

**Sector**

Biotechnology

**Number of employees**

1-50

**Position**

**Institution Graduated**

**Address**

Street Address

Address Line 2

City State / Province / Region

Postal / Zip Code Country

**Consent**

Do you wish to be contacted with the results of this survey?

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## Underpinning Mathematics and Science

Click here for more details about our definition of "Underpinning Maths & Science". Links will open in a new browser tab.

**How important do you consider each of these competencies for your career?** *

| | Not at all Important | Somewhat Important | Neutral | Important | Very Important | N/A |
|---|---|---|---|---|---|---|
| **Maths** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Chemistry** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Physics** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Biology** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Information Technology** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Other** | ○ | ○ | ○ | ○ | ○ | ○ |

From your experience as a student, what was the predominant method of teaching for each competency? *

| | Lectures | Labs | Tutorials | Case Studies | Problem-based | Other | N/A |
|---|---|---|---|---|---|---|---|
| **Maths** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Chemistry** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Physics** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Biology** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Information Technology** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Other** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Where you have answered "Other", please provide details**

**Overall, how effective were the methods of teaching that you experienced on your course?** *

| | Very Ineffective | Ineffective | Neutral | Effective | Very Effective | N/A |
|---|---|---|---|---|---|---|
| **Lectures** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Labs** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Tutorials** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Case Studies** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Problem-based** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Other** | ○ | ○ | ○ | ○ | ○ | ○ |

In your opinion, what alternative teaching methods could be employed for most effective delivery? *

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## Core Chemical Engineering Knowledge

Click here for more details about our definition of "Core Chemical Engineering Knowledge". Links will open in a new browser tab.

How important do you consider each of these competencies for your career *

| | Not at all Important | Somewhat Important | Neutral | Important | Very Important | N/A |
|---|---|---|---|---|---|---|
| Fundamentals | ○ | ○ | ○ | ○ | ○ | ○ |
| Modelling & Quantitative Methods | ○ | ○ | ○ | ○ | ○ | ○ |
| Process & Product Technology | ○ | ○ | ○ | ○ | ○ | ○ |
| Systems | ○ | ○ | ○ | ○ | ○ | ○ |
| Safety | ○ | ○ | ○ | ○ | ○ | ○ |
| Sustainability, Economics, Ethics | ○ | ○ | ○ | ○ | ○ | ○ |

From your experience as a student, what was the predominant method of teaching for each competency? *

| | Lectures | Labs | Tutorials | Case Studies | Problem-based | Other | N/A |
|---|---|---|---|---|---|---|---|
| **Fundamentals** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Modelling & Quantitative Methods** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Process & Product Technology** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Systems** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Safety** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Sustainability, Economics, Ethics** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Where you have answered "Other", please provide details**

Overall, how effective were the methods of teaching that you experienced on your course? *

| | Very Ineffective | Ineffective | Neutral | Effective | Very Effective | N/A |
|---|---|---|---|---|---|---|
| Lectures | | | | | | |
| Labs | | | | | | |
| Tutorials | | | | | | |
| Case Studies | | | | | | |
| Problem-based | | | | | | |
| Other | | | | | | |

In your opinion, what alternative teaching methods could be employed for most effective delivery? *

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## Engineering Practice and Design

Click here for more details about our definition of "Engineering Practice & Design". Links will open in a new browser tab.

How important do you consider each of these competencies for your career *

| | Not at all Important | Somewhat Important | Neutral | Important | Very Important | N/A |
|---|---|---|---|---|---|---|
| Practical Skills | | | | | | |
| Data Interpretation & Analysis | | | | | | |
| Information Literacy | | | | | | |
| Industrial Standards & Quality Assurance | | | | | | |

How important do you consider each of these competencies for your career *

| | Not at all Important | Somewhat Important | Neutral | Important | Very Important | N/A |
|---|---|---|---|---|---|---|
| Systems Approach to Design | | | | | | |
| Technical Rigour in Design | | | | | | |
| Awareness of Safety, Health & Environment Issues | | | | | | |
| Awareness of Business Drivers | | | | | | |

From your experience as a student, what was the predominant method of teaching for each competency? *

Overall, how effective were the methods of teaching that you experienced on your course? *

In your opinion, what teaching methods could be employed for more effective delivery? *

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## Advanced Level

Click here for more details about our definition of "Advanced level". Links will open in a new browser tab.

How important do you consider each of these competencies for your career *

| | Not at all Important | Somewhat Important | Neutral | Important | Very Important | N/A |
|---|---|---|---|---|---|---|
| **Chemical Engineering Science Depth** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Limitations of Current Engineering Practise** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Awareness of Emerging Technologies** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Design in the Context of Uncertainty** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Innovative/Advanced Design** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Chemical Engineering Science Breadth** | ○ | ○ | ○ | ○ | ○ | ○ |

In your opinion, what teaching methods could be employed for most effective delivery? *

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## Employability Competencies

Click here for more details about our definition of "Employability Competencies". Links will open in a new browser tab.

How important do you consider each of these competencies for your career *

| | Not at all Important | Somewhat Important | Neutral | Important | Very Important | N/A |
|---|---|---|---|---|---|---|
| **Problem Solving Skills** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Communication Skills** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Working effectively with others** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Leadership Skills** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Effective use of Information Technology** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Project Planning & Time Management** | ○ | ○ | ○ | ○ | ○ | ○ |
| **Continuous Professional Development** | ○ | ○ | ○ | ○ | ○ | ○ |

From your experience as a student, what was the predominant method of teaching for each competency? *

| | Lectures | Labs | Tutorials | Case Studies | Problem-based | Other | N/A |
|---|---|---|---|---|---|---|---|
| **Problem Solving Skills** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Communication Skills** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Working effectively with others** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Leadership Skills** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Effective use of Information Technology** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Project Planning & Time Management** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Continuous Professional Development** | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Where you have answered "Other", please provide details**

**In your opinion, what teaching methods could be employed for most effective delivery?** *