

## THE EDUCATION UNIVERSITY OF HONG KONG

### Course Outline

#### Part I

<b>Programme Title</b>	: Bachelor of Education (Honours) (Geography) (Five-year Full-time)
<b>Programme QF Level</b>	: 5
<b>Course Title</b>	: Field Methods and Teaching in Geography
<b>Course Code</b>	: GGP3024
<b>Department</b>	: Science and Environmental Studies; Social Sciences;
<b>Credit Points</b>	: 3
<b>Contact Hours</b>	: 39
<b>Pre-requisite(s)</b>	: Nil
<b>Medium of Instruction</b>	: English
<b>Course Level</b>	: 3

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#### Part II

The University's Graduate Attributes and seven Generic Intended Learning Outcomes (GILOs) represent the attributes of ideal EdUHK graduates and their expected qualities respectively. Learning outcomes work coherently at the University (GILOs), programme (Programme Intended Learning Outcomes) and course (Course Intended Learning Outcomes) levels to achieve the goal of nurturing students with important graduate attributes.

In gist, the Graduate Attributes for Undergraduate, Taught Postgraduate and Research Postgraduate students consist of the following three domains (i.e. in short "PEER & I"):

- **Professional Excellence;**
- **Ethical Responsibility; &**
- **Innovation.**

The descriptors under these three domains are different for the three groups of students in order to reflect the respective level of Graduate Attributes.

The seven GILOs are:

1. Problem Solving Skills
2. Critical Thinking Skills
3. Creative Thinking Skills
- 4a. Oral Communication Skills
- 4b. Written Communication Skills
5. Social Interaction Skills
6. Ethical Decision Making
7. Global Perspectives

### 1. Course Synopsis

This is a course designed to introduce techniques used in field data collection for geographical topics. This course provides students with an opportunity to use field equipment, design experiments and questionnaires for field data collection in both physical and human environments. A compulsory overseas residential field study will be organized to allow students to observe and record data in the field and equip them with the necessary geographical skills and experiences. Students will be equipped with hand-on experience for conducting field geographical related research.

### 2. Course Intended Learning Outcomes (CILOs)

*Upon completion of this course, students will be able to:*

- CILO<sub>1</sub>: Demonstrate competence in knowledge on different types of geographical field methods and techniques.
- CILO<sub>2</sub>: apply skills in field data collection, data analysis, and presentation of findings.
- CILO<sub>3</sub>: develop pedagogical skills in teaching geography including experimental design, field data analysis and spatial analysis in the context of geographical field-based learning.
- CILO<sub>4</sub>: choose appropriate knowledge and skills of geographical field study in a professional way.

### 3. Content, CILOs and Teaching & Learning Activities

Course Content	CILOs	Suggested Teaching & Learning Activities
<b>A. Fundamental research concepts</b> (a) Theory: theorize and observe world (b) Methodology: measurement and interpretation	CILO <sub>1,3</sub>	<ul style="list-style-type: none"><li>Lectures</li><li>Pre-field study tutorials or workshops</li></ul>
<b>B. Data collection in geography</b> (a) Field data collection (b) Quantitative data collection (c) Qualitative data collection (d) Field observation	CILO <sub>1,2,4</sub>	<ul style="list-style-type: none"><li>Lectures</li><li>Pre-field study tutorials or workshops</li><li>Residential overseas field study</li></ul>
<b>C. Experimental and non-experimental research design</b> (a) Questionnaire design (b) Scientific experimental design (c) Sampling	CILO <sub>1,2,4</sub>	<ul style="list-style-type: none"><li>Lectures</li><li>Pre-field study tutorials and workshop</li><li>Residential overseas field study</li><li>Project presentation</li></ul>

<p><b>D. Data analysis</b></p> <p>(a) Basic data analysis by using statistical software.</p> <p>(b) Spatial analysis</p>	<p>CILO<sub>2,3,4</sub></p>	<ul style="list-style-type: none"> <li>• Lectures</li> <li>• Post-field study tutorials or workshops</li> <li>• Project presentation</li> </ul>
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#### 4. Assessment

Assessment Tasks	Weighting (%)	CILOs
<p>(a) <b>Participation</b> Students are required to participate actively in pre and post-trip activities, discussions and fieldworks conducted in the study trip.</p>	<p>25%</p>	<p><i>CILO<sub>1,2,3,4</sub></i></p>
<p>(b) <b>E-portfolio</b> Students are required to complete a problem-solving task, together with an individual e-portfolio. This assignment should contain the following items:</p> <p>i) A series of investigation, data analysis and oral presentation about the problem-solving task;</p> <p>ii) Reflection on the problem-solving process (800 – 1000 words)</p>	<p>25%</p>	<p><i>CILO<sub>1,3</sub></i></p>
<p>(c) <b>Field Study Report</b></p> <p>i) Proposal Students are expected to work in groups (4 students) to prepare a brief summary of the field work activity design and deliver a presentation in the study trip.</p> <p>ii) Teaching kit for field work activity The group is required to complete a field work activity design. The field work activity design should contain the following items:</p> <ul style="list-style-type: none"> <li>• An instructional plan</li> <li>• Supplementary materials required to complete the lesson (PowerPoint slides and worksheets)</li> </ul>	<p>50%</p>	<p><i>CILO<sub>1,2,3,4</sub></i></p>

## 5. Required Text(s)

Gomes, B. & Jones, J. P. (2010). *Research Methods in Geography: A critical introduction*, Chichester, UK: Wiley-Blackwell.

## 6. Recommended Readings

Clifford, N. J. & Valentine, G. (2003). *Key Methods in Geography*. London: Sage Publication.

Gilbertson, D.D., Kent, M. & Pyatt, F.B. (1985). *Practical Ecology for Geography and Biology: Survey, Mapping and Data Analysis*.

London: Chapman & Hall

Lounsbury, J.F. & Aldrich, F.T. (1996). *Introduction to Geographic Field Methods and Techniques 2<sup>nd</sup> Edition*. Columbus, Ohio: Bell Howell

Matthews, M.H. & Foster, I.D.L. (1986). *Fieldwork Exercised in Human and Physical Geography*. London: Sage publications.

Montello, D. R. & Sutton, P. C. (2013). *An Introduction to Scientific Research Methods in Geography and Environmental Studies, 2<sup>nd</sup> Edition*. London: Sage Publication.

Toyne, P. & Newby, P.T. (1971) *Techniques in Human Geography*. London: Macmillan

Vishwanath, H. N. (2006). *Models of Teaching in Environmental Education*. New Delhi: D.P.H. Discovery Publishing House.

## 7. Related Web Resources

To be provided

## 8. Related Journals

*Geographical Review*

*Landscape and Urban Planning*

*Procedia - Social and Behavioral Sciences*,

*Journal of Geography in Higher Education*

*Teaching Geography*

*International Research in Geographical and Environmental Education*

*Journal of Geography*

*Educational Sciences: Theory and Practice*

## 9. Academic Honesty

The University adopts a zero tolerance policy to plagiarism. For the University's policy on plagiarism, please refer to the *Policy on Academic Honesty, Responsibility and Integrity with Specific Reference to the Avoidance of Plagiarism by Students* (<https://www.eduhk.hk/re/modules/downloads/visit.php?cid=9&lid=89>). Students should familiarize themselves with the Policy.

## 10. Others

Newspaper articles, magazines and other on-line videos on relevant current issues will be

used wherever and whenever necessary and feasible.

*Updated 02 June 2021*