<table>
<thead>
<tr>
<th>Subject Code</th>
<th>BRE435</th>
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<tbody>
<tr>
<td>Level</td>
<td>4</td>
</tr>
<tr>
<td>Contact Hours</td>
<td>Lect:21 Sem/Tut:21</td>
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<td>Student Effort Hours</td>
<td>120</td>
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<tr>
<td>Assessment Method</td>
<td>Coursework 50% Examination 50%</td>
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<td>Credit Value</td>
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<tr>
<td>Pre-requisites</td>
<td>BRE391</td>
</tr>
<tr>
<td>Co-requisites</td>
<td>Nil</td>
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<tr>
<td>Exclusions</td>
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<tr>
<td>Subject Leader/Lecturer/Dept.</td>
<td>K.K. Lo (BRE)</td>
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**DESIGN, ADAPTATION AND CONVERSION**

**Subject Aim:**

*This subject is intended to:*

1. Equip students with the skills necessary to undertake the conversion to existing buildings.

**Learning Outcomes:**

*Students will demonstrate their ability to:-*

1. Identify problems and constraints in the course of design for conversion and adaptation work.
2. Apply the knowledge and techniques to extend the useful life and economic return of Hong Kong buildings by means of conversion and adaptation.
3. Understand the concepts of economic and physical obsolescence for buildings for evaluation of their impacts on process of conversion work.
4. Comply with the local statutory requirements in the course of adaptation and conversion to existing buildings.
5. Use the project management and contract administration techniques for conversion and adaptation practice.

**Brief Syllabus Content:**

The design and structural considerations and implications that affect the conversion, improvement and adaptation work on existing buildings in relation to users requirements.

The physical and economical considerations that determine the viability and feasibility of conversion or adaptation of existing buildings.

Relevant legislation controlling the conversion and adaptation work of existing buildings including those of architectural and historical nature.

The special considerations of planning the project management and contract administration for conversion and adaptation work.

Special considerations for the conversion and adaptation work of buildings of architectural and historical interest.

*Teaching activities: Lecture (LT)/Tutorial (TU)/Seminar (SM)/Drawing (DW)/Laboratory or Practical (LB)/Studio (ST)/Workshop (WS)/Project (PJ)/Field Study (FS)/Guided Study (GS)/Visit (VS)
**Learning and Teaching Approach** *(tasks and activities designed to achieve learning outcomes)*:

The subject involves both theoretical and practical approaches in local context relating to project work and tutorial assignments, such as lectures, seminars, case studies, site visits, criticism of presentations and projects by peer groups and practicing professionals and etc. Some of them will be delivered by prominent professional practitioners.

**Assessment strategy** *(assessment of student performance resulting from learning tasks)*:

The focus of assessment is on the practical skills associated with solving the problems of adapting buildings by integrating the key learning outcomes and will therefore use case studies. The subject will be assessed by 2 pieces of coursework including project work and tutorial assignments. One will be on project basis (70% of coursework) and the other will be on written assignment (30% of coursework).

**Reading List:**

**Recommended :**


**Supplementary:**

Highfield, David (1987), *Rehabilitation and Re-use of Old Buildings*, Spon