Subject Description Form

Subject Code	ABCT5115P
Subject Title	Industrial Attachment (GBA) 大灣區工業實習
Credit Value	6
Level	5
Pre-requisite	N/A
Medium of Instruction	Putonghua
Objectives	This subject provides opportunities for students: 1. To expose students to the real-world environment of biotech companies in the Greater Bay Area (GBA). 2. To provide hands-on experience and insights into the operations, culture, and strategies of tech companies. 3. To enable students to apply academic knowledge to practical situations and challenges faced by tech companies. 4. To foster networking opportunities and potential future collaborations between students and biotech companies. 5. To instill an understanding of current technological advancements and innovations taking place in biotech companies.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: a) Demonstrate a clear understanding of the company culture, operations, and technology trends within a biotech company. b) Effectively apply academic knowledge to solve real-world problems faced by companies. c) Establish professional connections and networks with industry experts and peers in the biotech sector. d) Reflect on personal and professional growth achieved during the attachment period. e) Present key takeaways, experiences, and learnings from the company attachment in a comprehensive report.
Subject Synopsis/ Indicative Syllabus	**1. Technical Competence:** Understanding and implementing core technical skills in a real-world biotech environment. • Engage in hands-on tasks and projects to apply academic knowledge in actual work settings within the biotech companies.

	• Participate in technology-driven tasks, understanding the nuances of tech products and platforms. • Adhere strictly to the Occupational Safety and Health (OSH) precautions while operating tech equipment and machinery. • Follow laboratory safety measurements and protocols, ensuring a secure environment for experimentation and testing. **2. Interpersonal Competency:** Building and nurturing professional relationships in a biotech-driven environment. • Engage in clear and concise communication with tech teams, project managers, and other stakeholders. • Participate in meetings, brainstorming sessions, and project discussions, ensuring the effective conveyance of ideas and feedback. • Work harmoniously with professional teams within the company, understanding the dynamics of team projects. • Contribute constructively to team efforts, ensuring the success of collaborative projects. **3. Life-long Learning:** Fostering a continuous learning mindset in the rapidly evolving biotech world. • Seek and treasure learning opportunities through keen observation, practice, and engagement in biotech environment. • Attend workshops, seminars, and training sessions to expand knowledge horizons. • Engage in regular reflection sessions to assess personal growth, challenges faced, and lessons learned during the attachment. • Utilize feedback for continuous improvement, ensuring better performance in subsequent tasks. **4. Professional Development:** Upholding the highest standards of professionalism in the biotech industry. • Stay informed about the professional responsibilities attached to roles and tasks within companies. • Understand and respect the ethical considerations associated with tech projects. • Uphold and advocate for the standards of professional and personal conduct, ensuring a positive and ethical work environment. • Regularly update personal knowledge and skills to match the evolving tech standards of biotech companies.

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<tr><td>Teaching/Learning Methodology</td><td>Students' performance will be assessed through their company-based work experience (the attachment) in the GBA Biotechnology Cluster, including report writing and performance assessment by their supervisors/ mentors for the industrial attachment.

1. The written report will require students to review the company attachment experience.
2. Students' professional attitude and work performance will be assessed by their supervisors/mentors in the company.

Students are required to:
1. work in a company in GBA to complete at least 400 hours in the entire industrial attachment;
2. record and review their performance in the written report;
3. perform well in each of the four competencies listed in subject synopsis, and be assessed by their supervisors/ mentors in the company.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">Percentage weighting</td><td colspan="5">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td>e</td></tr>
<tr><td>1. Written Report</td><td>40%</td><td>✓</td><td>✓</td><td></td><td>✓</td><td>✓</td></tr>
<tr><td>2. Performance assessment by supervisors/ mentors</td><td>60%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr>
<tr><td>Total</td><td>100%</td><td colspan="5"></td></tr>
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Students will be attached to a biotech company to complete at least 400 hours in the industrial attachment. Failure to fulfil the minimum hours will not be given a passing grade in this subject.</td></tr>
<tr><td>Student Study Effort Expected</td><td>
<table>
<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Attachment in company</td><td>400 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Self and guided study</td><td>20 Hrs.</td></tr>
<tr><td>▪ Daily log and reflective report</td><td>20 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>440 Hrs.</td></tr>
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Reading List and References	1. 粤港澳大湾区生物医药产业发展报告（2022） 作者:南方医药经济研究所 出版社:中国医药科技出版社 出版时间:2023 年 01 月。ISBN: 9787521437393