

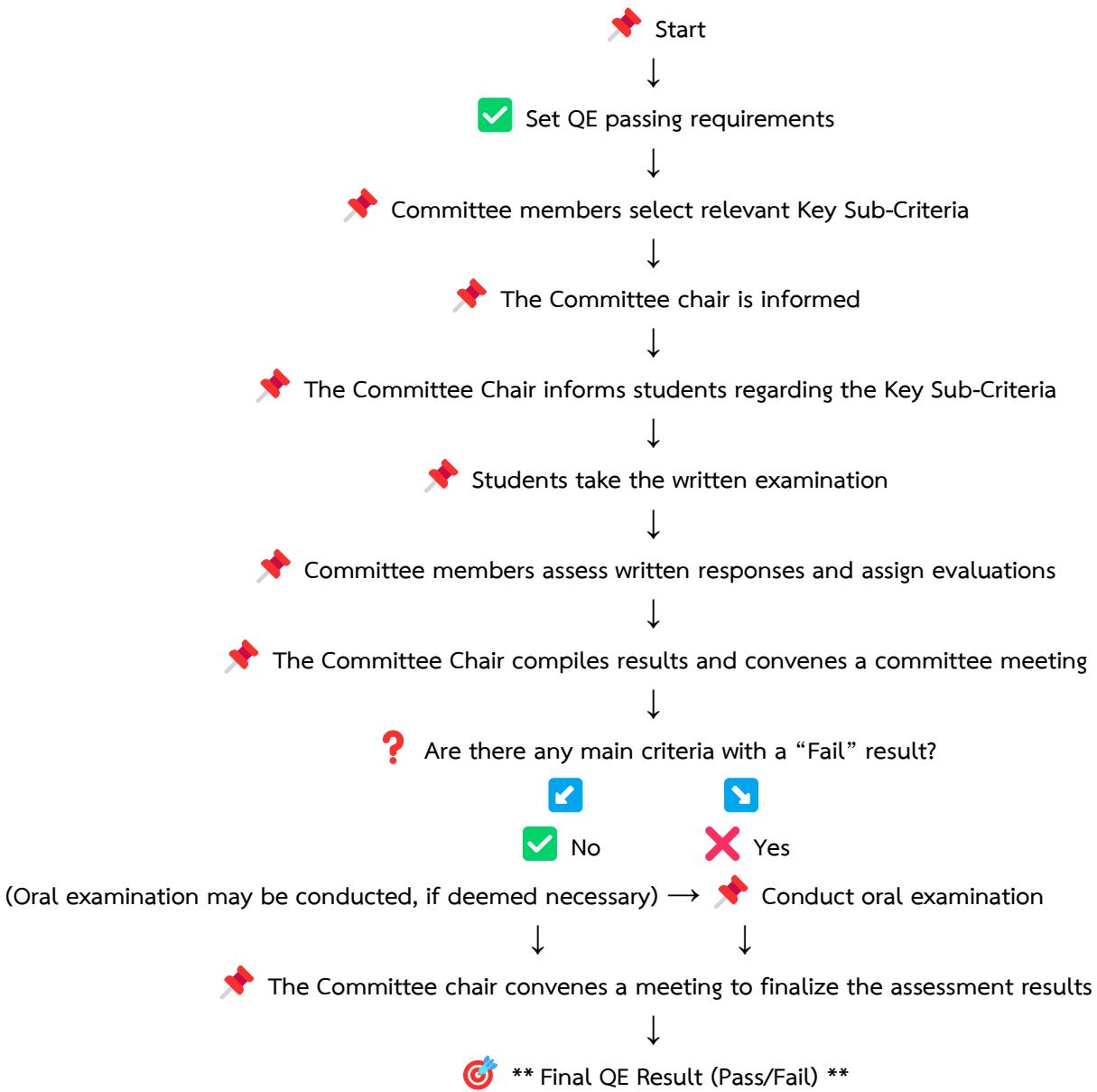
## Qualifying Examination (QE)

Evaluated by .....Date .....

### Guidelines for Qualification Examination Assessment

1. **Role of the Qualification Examination Committee:** The committee reviews and acknowledges the expected learning outcomes to be assessed in students across four main criteria.
2. **Passing Requirements:** Students must receive a “Pass” in all four main criteria in order to be considered as having passed the examination.
3. **Key Sub-Criteria and Non-Key Sub-Criteria:**
  - o Each main criterion is evaluated using sub-criteria categorized into two types:
    - **Key Sub-Criteria:** Critical criteria used to determine whether a student passes or fails in that main criterion.
    - **Non-Key Sub-Criteria:** Supporting criteria that do not directly affect the pass/fail decision but serve as feedback for students.
4. **Examination Design:** Each committee member responsible for constructing written examination questions shall select the relevant Key Sub-Criteria associated with the topic they are responsible for and inform the committee chair. This ensures coverage of all main criteria and all key sub-criteria.
5. **Notification to Students:** The committee chair will inform students in advance which parts of the examination will be assessed using Key Sub-Criteria.
6. **Assessment Levels:** Each sub-criterion will be evaluated using the following levels:
  - o **Adequate**
  - o **Inadequate**
  - o **Absent** (not demonstrated)
  - o **N/A** (not assessable)

*Note: Key Sub-Criteria cannot be assessed as N/A.*
7. **Assessment of Written Examination:** Examiners will evaluate written responses using a standardized form and determine an overall result of “Pass” or “Fail” for each main criterion.
  - o If any Key Sub-Criterion is rated as “Absent,” that main criterion will be immediately classified as “Fail.”
  - o If any Key Sub-Criterion is rated as “Inadequate,” the committee will deliberate to determine whether the result should be “Pass” or “Fail.”
8. **Compilation of Assessment Results:** The committee chair will consolidate evaluations from all committee members and convene a meeting to finalize the assessment results in a single document before proceeding to the oral examination stage.
9. **Oral Examination:**
  - o If any main criterion is determined to be “Fail,” an oral examination will be conducted.
  - o If all four main criteria are assessed as “Pass” in the written examination, the committee will determine whether an oral examination is necessary.
10. **Final Evaluation:** After all examination components are completed, the committee will meet to deliberate and finalize the overall assessment outcome.



For each main criterion, the committee shall determine which sub-criteria will be designated as Key Sub-Criteria by ticking the box in the “Key sub-criteria\*” column to the left of each selected sub-criterion.

1. Up-to-date scientific knowledge					
Key sub-criteria*		Adequate	Inadequate	Absent	N/A
<input type="checkbox"/>	Factual knowledge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Understanding scientific / physiological principles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Holistic / systemic perspective	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conclusion		<input type="checkbox"/> Pass	<input type="checkbox"/> Fail		

\*These key sub-criteria will be counted toward the “Pass” or “Fail” evaluation of this main criterion.

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2. Critical thinking skills					
Key sub-criteria*		Adequate	Inadequate	Absent	N/A
<input type="checkbox"/>	Logical reasoning without bias	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Clarity of thinking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Depth of thinking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Differentiating facts vs possibilities, opinions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Systematic thinking skills (Methodical thinking based on principles / known factors)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conclusion		<input type="checkbox"/> Pass	<input type="checkbox"/> Fail		

\*These key sub-criteria will be counted toward the “Pass” or “Fail” evaluation of this main criterion.

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3. Scientific thinking skills					
Key sub-criteria*		Adequate	Inadequate	Absent	N/A
<input type="checkbox"/>	Rationale of the research; relevance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Identifying research questions; asking questions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Making educated predictions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Designing experiments / testing ideas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Principle of a method	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Rationale for choosing a method	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Conclusion</b>		<input type="checkbox"/> Pass	<input type="checkbox"/> Fail		

\*These key sub-criteria will be counted toward the “Pass” or “Fail” evaluation of this main criterion.

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4. Data interpretation skills					
Key sub-criteria*		Adequate	Inadequate	Absent	N/A
<input type="checkbox"/>	Correct data interpretation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Drawing conclusions correctly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Conclusion</b>		<input type="checkbox"/> Pass	<input type="checkbox"/> Fail		

\*These key sub-criteria will be counted toward the “Pass” or “Fail” evaluation of this main criterion.

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