

Grade Descriptor for PHYS Lecture Courses

A	<p>Demonstrate thorough mastery of principles and subject matter in the course required for attaining all the course learning outcomes. Demonstrate the ability to apply the principles or subject matter to familiar and unfamiliar situations, in a manner that would surpass the normal expectation at this level and standards that may be required at higher levels of study or research. Has the ability to express the knowledge or synthesis of ideas in a clear and cogent manner.</p> <p>完全掌握課程內容中的原理及科目知識以達到所有學習目標。能夠將課程中的原理或科目知識，以超出在該程度的一般要求及在更高水平的課程或研究可能需要的標準，應用於熟悉和陌生的情況。有能力以清晰及具說服力的方式表達科目知識或綜合概念。</p>
A-	<p>Demonstrate substantial command of principles and subject matter in the course required for attaining almost all the course learning outcomes. Demonstrate the ability to state and apply the principles or subject matter to familiar and some unfamiliar situations, in a manner that is logical and comprehensive. Has the ability to express the knowledge or application with clarity and accuracy.</p> <p>充分掌握課程內容中的原理及科目知識以達到絕大部份學習目標。能夠將課程中的原理或科目知識，以合乎邏輯和全面的方式，應用於熟悉和一些陌生的情況。有能力清晰和準確地表達科目知識或應用。</p>
B	<p>Demonstrate general and sufficient command of principles and subject matter in the course required for attaining most of the course learning outcomes. Demonstrate the ability to state and apply the principles or subject matter accurately to most (but not necessarily all) familiar and standard situations, in a manner that is logical and persuasive. Has the ability to express the knowledge or application in a satisfactory and unambiguous way.</p> <p>一般並足夠地掌握課程內容中的原理及科目知識以達到大部份學習目標。能夠將課程中的原理或科目知識，以合乎邏輯和有說服力的方式，精確地陳述及應用於大部份（但不一定是所有）熟悉和標準的情況。有能力以令人滿意和明確的方式表達科目知識或應用。</p>
C	<p>Demonstrate general command of principles and subject matter in the course required for attaining some of the course learning outcomes. Demonstrate the ability to state and apply the principles or subject matter to most (but not necessarily all) familiar and standard situations, but with occasional errors and/or in a manner that is fragmented. Has the ability to express the separate pieces of knowledge in an unambiguous way.</p>

	<p>一般地掌握課程內容中的原理及科目知識以達到部份學習目標。雖然偶有錯誤，但能夠在大部份（但不一定是所有）熟悉和標準的情況下，零碎地陳述和應用課程中的原理或科目知識。能明確地表達個別部分的科目知識。</p>
D	<p>Demonstrate partial command of principles and subject matter in the course required for attaining some of the course learning outcomes. Demonstrate the ability to state and apply the principles or subject matter to some simple situations only. Has the ability to state the knowledge or application in simple terms.</p> <p>部份地掌握課程內容中的原理及科目知識以達到部份學習目標。只能夠在一些簡單情況陳述和應用課程中的原理或知識。能以簡單的用語陳述科目知識或應用。</p>
F	<p>Demonstrate little or no evidence of command of principles and subject matter in the course required for attaining the course learning outcomes, OR failure to meet specified assessment requirements.</p> <p>很少、甚至沒有掌握課程內容中的原理及科目知識以達到學習目標，或者沒有達到規定的評估要求。</p>

Grade Descriptor for PHYS Laboratory Courses

A	<p>Demonstrate thorough mastery of principles and experimental techniques in the course required for attaining all the course learning outcomes. Demonstrate the ability to apply the principles and experimental techniques to familiar and unfamiliar situations, in a manner that would surpass the normal expectation at this level and standards that may be required at higher levels of study or research. Has the ability to express the objective, method and data analysis of the experimental study in the form of a report in a clear, cogent and possibly creative manner.</p> <p>完全掌握課程內容中的原理及實驗技巧以達到所有學習目標。能夠將課程中的原理及實驗技巧，以超出在該程度的一般要求及在更高水平的課程或研究可能需要的標準，應用於熟悉和陌生的情況。有能力以報告形式，以清晰、具說服力、甚至是有創意的的方式，表達實驗研究的目的、方法和數據分析。</p>
A-	<p>Demonstrate substantial command of principles and experimental techniques in the course required for attaining almost all the course learning outcomes. Demonstrate the ability to state and apply the principles and experimental techniques to familiar and some unfamiliar situations, in a manner that is logical and comprehensive. Has the ability to express the objective, method and data analysis of the experimental study in the form of a report with clarity and accuracy.</p> <p>充分掌握課程內容中的原理及實驗技巧以達到絕大部份學習目標。能夠將課程中的原理及實驗技巧，以合乎邏輯和全面的方式，應用於熟悉和一些陌生的情況。有能力以報告形式，清晰和準確地表達實驗研究的目的、方法和數據分析。</p>
B	<p>Demonstrate general and sufficient command of the principles and experimental techniques in the course required for attaining most of the course learning outcomes. Demonstrate the ability to state and apply the principles and experimental techniques accurately to most (but not all) familiar and standard situations, in a manner that is logical and persuasive. Has the ability to express the objective, method and data analysis of the experimental study in the form of a report in a satisfactory and unambiguous way.</p> <p>一般並足夠地掌握課程內容中的原理及實驗技巧以達到大部份學習目標。能夠將課程中的原理及實驗技巧，以合乎邏輯和有說服力的方式，精確地陳述和應用於大部份（但不一定是所有）熟悉和標準的情況中。有能力以報告形式，以令人滿意和明確的方式，表達實驗研究的目的、方法和數據分析。</p>

C	<p>Demonstrate general command of the principles and experimental techniques in the course required for attaining some of the course learning outcomes. Demonstrate the ability to state and apply the principles and experimental techniques to most (but not necessarily all) familiar and standard situations, in a manner that is not incorrect but is fragmented. Has the ability to express the objective, method and data analysis of the experimental study in the form of a report in a fragmented but unambiguous way.</p> <p>一般地掌握課程內容中的原理及實驗技巧以達到部份學習目標。能夠在大部份（但不一定是所有）熟悉和標準的情況下，以並非不正確但卻零碎的方式，陳述和應用課程中的原理及實驗技巧。有能力以報告形式，零碎但明確地表達實驗研究的目的、方法和數據分析。</p>
D	<p>Demonstrate partial command of principles and experimental techniques in the course required for attaining some of the course learning outcomes. Demonstrate the ability to state and apply the principles and experimental techniques to some simple situations only. Has the ability to state the objective, method and data analysis of the experimental study in the form of a report in a simple, fragmented way.</p> <p>部份地掌握課程內容中的原理及實驗技巧以達到部份學習目標。只能夠將課程中的原理及實驗技巧，應用於一些簡單情況。能以簡單及零碎的方式，陳述實驗研究的目的、方法和數據分析。</p>
F	<p>Demonstrate little or no evidence of command of the principles and experimental techniques in the course required for attaining the course learning outcomes, OR failure to meet specified assessment requirements.</p> <p>很少、甚至沒有掌握課程內容中的原理及實驗技巧以達到學習目標，或者沒有達到規定的評估要求。</p>

Grade Descriptor for PHYS Project and Seminar Courses

A	<p>Demonstrate thorough mastery of the subject (of the project or seminar) required for attaining all the course learning outcomes. Demonstrate evidence of original thoughts and the ability of critical use of data or results to draw insightful conclusions, in a manner that would surpass the normal expectation at this level and standards that may be required at higher levels of study or research. Has the ability to express the knowledge and synthesis of ideas in a clear and cogent manner.</p> <p>完全掌握專題研究或學術報告的課題以達到所有學習目標。能夠以超出在該程度的一般要求及在更高水平的課程或研究可能需要的標準，展示原創的想法，及有能力適當地運用數據或結果作出具深刻見解的結論。有能力以清晰及具說服力的方式表達課題知識和綜合概念。</p>
A-	<p>Demonstrate substantial command of the subject (of the project or seminar) required for attaining almost all the course learning outcomes. Demonstrate the ability of critical use of data or results to draw meaningful conclusions, in a manner that is logical and comprehensive. Has the ability to express the knowledge or application with clarity and accuracy.</p> <p>充分掌握專題研究或學術報告的課題以達到絕大部份學習目標。能夠以合乎邏輯和全面的方式，適當地運用數據或結果，作出有意義結論。有能力清晰和準確地表達課題知識或應用。</p>
B	<p>Demonstrate general and sufficient command of the subject (of the project or seminar) required for attaining most of the course learning outcomes. Demonstrate the ability of the use of data or results to draw mostly correct conclusions, in a manner that is logical and persuasive. Has the ability to express the knowledge or application in a satisfactory and unambiguous way.</p> <p>一般並足夠地掌握專題研究或學術報告的課題以達到大部份學習目標。能夠以合乎邏輯和有說服力的方式，運用數據或結果，作出基本上正確的結論。有能力以令人滿意和明確的方法表達課題知識或應用。</p>
C	<p>Demonstrate general command of the subject (of the project or seminar) required for attaining some of the course learning outcomes. Demonstrate the ability of the use of data or results to draw conclusions, but with occasional errors. Has the ability to express the separate pieces of knowledge in an unambiguous way.</p>

	<p>一般地掌握專題研究或學術報告的課題以達到部份學習目標。雖然偶有錯誤，但能夠運用數據或結果，作出結論。能明確地表達個別部分的課題知識。</p>
D	<p>Demonstrate partial command the subject (of the project or seminar) required for attaining some of the course learning outcomes. Has limited ability to use data or results to draw conclusions. Has the ability to state the knowledge in simple terms.</p> <p>部分地掌握專題研究或學術報告的課題以達到部份學習目標。能夠有限量地運用數據或結果，作出結論。能以簡單的用語陳述課題知識。</p>
F	<p>Demonstrate little or no evidence of command of subject (of the project or seminar) required for attaining the course learning outcomes, OR failure to meet specified assessment requirements.</p> <p>很少、甚至沒有掌握專題研究或學術報告的課題以達到學習目標，或者沒有達到規定的評估要求。</p>

Grade Descriptor for Student Centered Learning Courses

A	<p>Demonstrate thorough mastery of problem solving skills in discussion topics. Has the ability to express the knowledge and synthesis of ideas in a clear and cogent manner. Enlightening and meaningful discussion with the teacher and classmates.</p> <p>完全掌握討論課題中解決問題的技巧。有能力以清晰及具說服力的方式表達課題知識和綜合概念。與老師和同學作有啟發性和意義的討論。</p>
A-	<p>Demonstrate substantial command of problem solving skills in discussion topics. Has the ability to express the knowledge or application with clarity and accuracy. Meaningful discussion with the teacher and classmates.</p> <p>充分掌握討論課題中解決問題的技巧。有能力清晰和準確地表達課題知識。與老師和同學作有意義的討論。</p>
B	<p>Demonstrate general and sufficient command of problem solving skills in discussion topics. Has the ability to express the knowledge or application in a satisfactory and unambiguous way. General and sufficient discussion with the teacher and classmates.</p> <p>一般並足夠地掌握討論課題中解決問題的技巧。有能力以令人滿意和明確的方法表達課題知識或應用。與老師和同學作一般及充分的討論。</p>
C	<p>Demonstrate general command of problem solving skills in discussion topics. Has the ability to express the separate pieces of knowledge in an unambiguous way. General discussion with the teacher and classmates.</p> <p>一般地掌握討論課題中解決問題的技巧。能明確地表達個別部分的課題知識。與老師和同學作一般的討論。</p>
D	<p>Demonstrate partial command of problem solving skills in discussion topics. Has the ability to state the knowledge in simple terms. General but insufficient discussion with the teacher and classmates.</p> <p>部分地掌握討論課題中解決問題的技巧。能以簡單的用語陳述課題知識。與老師和同學作一般但不足夠的討論。</p>
F	<p>Demonstrate little or no evidence of command of problem solving skills in discussion topics, OR failure to meet specified assessment requirements.</p> <p>很少、甚至沒有掌握討論課題中解決問題的技巧，或者沒有達到規定的評估要求。</p>