

Course Syllabus

開課學期	107-2	部別	V日間部 <input type="checkbox"/> 進修部
系科	通識教育中心	學制	大學部
課程名稱	西洋弦樂藝術	授課教師	蔣恩宏
課程類別	選修	開課班級	博學涵養 V 人文 <input type="checkbox"/> 自然
學分數	2	授課時間	星期五上午 1、2 節
科目代碼		辦公地點	
開課代號		請益時間	
課程描述 Course Description			
透過演講，音樂欣賞，實驗觀察與操作，了解西洋弦樂藝術的概況，進而豐富心靈，增廣見聞，提升生活品質。			
課程目標 Course Objectives			
<p>認知：了解西洋弦樂器的發展歷史及其發音原理</p> <p>情意：欣賞西洋弦樂藝術之美</p> <p>技能：了解西洋弦樂器的基本操作方法</p>			
一般能力/專業能力 General/Core Learning Outcomes			
<p>一般能力</p> <p>一、人文與思維</p> <ol style="list-style-type: none"> 1、能瞭解人文、社會科學的基本概念與理論。 2、能基於人文、社會學的基礎認識，將此知識解釋人文社會的現象，並舉例說明。 3、能在生活中運用人文、社會學的知識，思辨、分析、批判探討人類與社會現象。 4、能覺知人文涵養教育所引發的心靈感動，欣賞、體悟多元文化與人文內涵之美。 <p>二、內省與關懷</p> <ol style="list-style-type: none"> 1、能進行內觀反省，了解自己的優、缺點，並據此作出適當的行為。 2、能藉由內觀反省，了解周遭人的感受，對群己、環境主動表現出關懷。 3、能對群己、環境的關懷產生價值感，成為態度。 4、能具有持久且一致主動關懷環境、群己，推己及人的品格。 <p>三、創意與表達</p> <ol style="list-style-type: none"> 1、能有效運用口頭語言、書面文書清楚表達自己的想法和他人的意見。 2、能運用適當工具與方式表述資料，且表述的內容論述與結構皆完整。 3、能有創意性的表述，並清楚傳達自己的想法。 4、表述的內容具有獨創見解，並與接收者可以進行有效的溝通與論辯。 <p>四、科學與邏輯</p> <ol style="list-style-type: none"> 1、能認識科學方法與科學精神的基本論述及主要內涵。 2、能運用多種思考方法，思索事務變化的因果和形式，探討事物間邏輯性關聯。 3、能依據邏輯推理原則，進行批判性思考。 4、能運用邏輯推理、批判性思辨能力，運用於生活與工作之中。 			
評量標準			

Assessment standards			
V 期中考試	<u>25</u> %	<input type="checkbox"/> 期中報告 _____ %	<input type="checkbox"/> 平時考 _____ %
V 期末未試	<u>25</u> %	<input type="checkbox"/> 期末報告 _____ %	<input type="checkbox"/> 上課參與度 _____ %
V 出席	<u>50</u> %	<input type="checkbox"/> 口頭報告 _____ %	<input type="checkbox"/> 其它 _____ %
教科書 (書名、作者、出版社、備註) Textbook (Title, Author, Publisher, Remarks)			
書名 Title	作者 Author	出版社 Publisher	備註 Remarks
自編講義			
參考書目 (書名、作者、出版社、期刊、備註) Reference Materials (Title, Author, Publisher/Journal, Remarks)			
書名 Title	作者 Author	出版社/期刊 Publisher/Journal	備註 Remarks
弦樂四重奏的樂器	馮翰高	上海商務印刷	
授課進度 Course Schedule			
週次 Week	科目主題 Course Subject	教學方式 Teaching Method	授課進度 Course Schedule
1	引言/西洋弦樂器的分類	講課	
2	西洋弦樂器發展簡史	講課	
3	弦樂器的魅力點	講課	
4	音樂欣賞/弓弦樂器篇 1	講課+多媒體欣賞	
5	音樂欣賞/弓弦樂器篇 2	講課+多媒體欣賞	
6	音樂欣賞/撥弦樂器篇	講課+多媒體欣賞	
7	弦樂器的構造與發聲原理 1	觀察與實驗	
8	弦樂器的構造與發聲原理 2	觀察與實驗	
9	期中考試		
10	音樂欣賞/室內樂篇 1	講課+多媒體欣賞	
11	音樂欣賞/室內樂篇 2	講課+多媒體欣賞	
12	音樂欣賞/弦樂合奏篇	講課+多媒體欣賞	
13	音樂欣賞/其他相關 1	講課+多媒體欣賞	
14	音樂欣賞/其他相關 2	講課+多媒體欣賞	
15	簡單有效的弦樂器自學與應用 1	觀察與操作	
16	簡單有效的弦樂器自學法應用 2	觀察與操作	
17	如何讓弦樂器豐富生活	講課	
18	期末考試		

科目主題對應一般能力/專業能力之涵蓋率 (填寫說明)

Coverage Rate of the Course Subject Correspond to the Ordinary Ability and Professional Ability

科目主題	能力指標涵蓋率%									
	專業能力%					一般能力%				
	1	2	3	4	5	1	2	3	4	
西洋弦樂器簡介與發展史	/	/	/	/	/		75	25	25	50
弦樂音樂欣賞	/	/	/	/	/		75	50	25	25
弦樂器構造及發音原理	/	/	/	/	/		25	0	50	100
簡單弦樂器操作方式							25	50	75	75
	/	/	/	/	/					
專業能力說明 通識課程以訓練一般能力為主軸	一般能力說明 1.人文與思維 2.內省與關懷 3.創意與表達 4.科學與邏輯									

Central Taiwan University of Science and Technology

Course Syllabus

Academic Year/Semester	107/2	Day/Night School	Day
Department	General Education	Program	
Course Title	The Art of Western String instruments	Instructor	En-Hung Chiang
Course type		Class	
Credit Hour	2	Hour (s)	
Course Code		Office	
Subject Code		Advisory Time	
Course Description			
Lecture on the history, art, and acoustic of the Western string instruments; also apply some simple playing methods.			
Course Objectives			
<ol style="list-style-type: none"> 1. Knowing the history and acoustic of the Western string instruments. 2. Strings music appreciation. 3. Simple operation of playing string instruments. 			
General/Core Learning Outcomes			
<p>General Learning Outcomes</p> <p>I. Humanism and thinking</p> <ol style="list-style-type: none"> 1. Can comprehend the basic concepts and theories of humanistic and social sciences. 2. Can use the knowledge acquired from humanistic and social sciences to explain and illustrate humanistic and social phenomena. 3. Can use the knowledge of humanistic and social sciences to discern, analyze, and criticize human and social phenomena in daily life. 4. Can perceive the emotional blast triggered from humanistic nurture and appreciate the beauty of multiple cultures and humanistic spirit. <p>II. Reflection and care</p> <ol style="list-style-type: none"> 1. Can reflect upon oneself, know one's good and bad qualities and thereby act accordingly. 2. Can empathize with people around them through one's reflection, and show their care towards others and the environment. 3. Can create a sense of value and thereby form a positive attitude from their care towards others and the environment. 4. Can become empathetic towards others and develop a virtuous character that cares for others and their environment in an active manner. <p>III. Creativity and expression</p> <ol style="list-style-type: none"> 1. Can express oneself or others' opinions in a clear and effective manner, through oral or written presentation. 2. Can use proper tools and methods to verbalize data and produce a logical and organized content. 3. Can convey one's ideas in an original and lucid manner. 4. Can produce insightful thoughts and make effective communication or arguments with the audience. <p>IV. Science and logic</p> <ol style="list-style-type: none"> 1. Can comprehend the basic discourse and major contents of scientific spirit and method. 2. Can exercise multiple thinking methods to ponder on the cause and format of issues and explore their 			

correlations.											
3. Can make critical thinking based on logical principles.											
4. Can apply one's logical rationalization and critical thinking to their everyday life and work.											
Assessment standards											
Presentation 50%, Midterm 25%, Final Exam 25%											
Textbook (Title, Author, Publisher, Remarks)											
Title			Author			Publisher		Remarks			
Lecture											
Reference Materials (Title, Author, Publisher/Journal, Remarks)											
Title			Author			Publisher/ Journal		Remarks			
The Instruments of String Quartet			馮翰高			上海印刷有 限公司					
Course Schedule											
Week	Course Subject				Teaching Method			Course Schedule			
1	Introduction				lecture						
2	A Brief History of Western String Instruments Development				lecture						
3	Charming instruments - Strings				lecture						
4	Music appreciation/Bowed string instruments 1				lecture with multimedia appreciation						
5	Music appreciation/Bowed string instruments 2				lecture with multimedia appreciation						
6	Music appreciation/Plucked string instruments				lecture with multimedia appreciation						
7	The science of string instruments				experiments and observation						
8	The science of string instruments				experiments and observation						
9	Midterm										
10	music appreciation/Chamber Music 1				lecture with multimedia appreciation						
11	music appreciation/Chamber Music 2				lecture with multimedia appreciation						
12	music appreciation/String Orchestra				lecture with multimedia appreciation						
13	music appreciation/other 1				lecture with multimedia appreciation						
14	music appreciation/other 2				lecture with multimedia appreciation						
15	Simple playing method 1				operation and observation						
16	Simple playing method 2				operation and observation						
17	Lohas with Strings				lecture						
18	Final Exam										
Coverage Rate of the Course Subject Correspond to the Ordinary Ability and Professional Ability											
Course Subject		Learning Outcomes %									
		Core %					General %				
		1	2	3	4	5	1	2	3	4	
The history of western string instruments		/	/	/	/	/	75	25	25	50	
String music appreciation		/	/	/	/	/	75	50	25	25	
Science of string instruments		/	/	/	/	/	25	0	50	100	

Simple playing method of strings	/	/	/	/	/		25	50	75	75
	/	/	/	/	/					
	/	/	/	/	/					
Core Learning Outcomes	<p>General Learning Outcomes</p> <ol style="list-style-type: none"> 1. Humanities and Cogitation 2. Introspection and Solicitude 3. Creativity and Utterance 4. Science and Logic 									