

**New Mexico State University
College of Arts and Sciences
Department of Music**

**COURSE SYLLABUS - SPRING 2017
ORCHESTRATION - MUS 415**

INSTRUCTOR

Lon W. Chaffin, Ph.D.

lchaffin@nmsu.edu

Music Center - Room 101C

575-646-2421

PREREQUISITES

- A grade of C or better in MUS 204 (Ear Training IV) and 206 (Music Theory IV)
- Restricted to Music and Music Education majors
- A grade of C or better in MUS 273 (Intro to Music Tech) is expected

MATERIALS

- No textbook (see website: <http://www.lcsproductions.net/MUS415/MUS-415.html>)
- Notebook/Anthology (available in the Music Office - \$10) - REQUIRED
- Staff paper, pencils
- Sibelius Music Notation Software (Version 7.0) (available in the Music Center Media lab)

DESCRIPTION

Scoring for full orchestra and various instrumental combinations with consideration of instrument timbres, strengths, weaknesses and ranges.

OBJECTIVE

The student will be able to effectively orchestrate pieces for each of the basic orchestral instruments in ensemble combinations both large and small.

COURSE ORGANIZATION

- Overtone Series
- Score Order(s)
- Basic Articulations
- Woodwinds
 - Transpositions
 - Ranges
 - Strengths/Weaknesses
 - Combinations and traditional ensembles
- Scoring of chords
 - Review of voice-leading principles
- Doubling
- Brass
 - Transpositions
 - Ranges
 - Strengths/Weaknesses
 - Combinations and traditional ensembles

- Percussion of Definite Pitch
 - Transpositions
 - Ranges
 - Strengths/Weaknesses
 - Combinations and traditional ensembles
- Percussion of Indefinite Pitch
 - Clef options
 - Strengths/Weaknesses
 - Combinations
- Transcribing piano music
- Score reductions
- Strings
 - Transpositions/Clefs
 - Ranges
 - Strengths/Weaknesses
 - Bowing options
 - Combinations and traditional ensembles
- Timbre combinations
- Traditional Large Ensembles

EXAMS, PROJECTS (due dates are subject to change; changes will be announced in class)

- Exams – There will be an exam every Friday, covering the material for that week
- Project – Woodwind duet (1/30/17)
- Project – Woodwind trio (2/6/17)
- Project – Brass trio (2/15/17)
- Project – Brass quintet (2/22/17)
- Project – Percussion ensemble (3/6/17)
- Project – String quartet (3/17/17)
- Project – Waltz for Band (4/14/17)
- Project – Waltz for Orchestra (4/28/17)
- Final Project (Monday, May 8 – 8:00-10:00 a.m.)
- Printed portfolio of all project scores (at Final Exam – Monday, May 8 – 8:00 a.m.)

GRADING

All assignments are due at the documented time. **NO LATE WORK will be accepted.** Any work submitted after the due date will be given the grade of 0 (zero) and will be averaged in as such. Any exceptions will need to be worked out with the professor before the assignment is due.

- Exams = 40% of final grade
 - All exam grades will be averaged together and calculated as 45% of the final grade
- Projects = 40% of final grade
 - All project grades will be averaged together and calculated as 45% of the final grade
- Final Project = 10% of final grade
- Project Portfolio = 10% of final grade

ASSIGNMENT DETAILS

For each project:

- The score should NOT be in concert pitch but a TRANSPOSED SCORE
- The final product should be a professional, publisher-ready, document that includes:
 - Title
 - Composer's name
 - Orchestrator's name (your full name)
 - Evenly spaced pitches and measures
 - All appropriate markings
(tempo, dynamics, technique markings, articulations, etc.)
- The completed Sibelius file should be sent by email, as an attachment, to the professor BEFORE class begins on the day the assignment is due
- Under no circumstances should the student change any of the original melodic material or harmonic structure

Woodwind Duet – Due 1/30/17

- Select one of the Bach 2-part Inventions included in the course booklet
- Using the Sibelius software, score it for two woodwind instruments that are appropriate for the range of the piece without compromising the original pitch placement
- One or both of the instruments must be a transposing instrument

Woodwind Trio – Due 2/6/17

- Select one of the three-voice Bach Goldberg Variations or one of the Hindemith fugues included in the course booklet
 - Goldberg Variation numbers 6, 9, 12, 15, 18, 24
 - Hindemith fugue numbers 2, 4, 7
- Using the Sibelius software, score it for three woodwind instruments that are appropriate for the range of the piece without compromising the original pitch placement
- At least one of the three instruments must be a transposing instrument

Brass Trio – Due 2/15/17

- Select one of the three-voice Bach Goldberg Variations or one of the Hindemith fugues included in the course booklet (different from your woodwind trio)
 - Goldberg Variation numbers 6, 9, 12, 15, 18, 24
 - Hindemith fugue numbers 2, 4, 7
- Using the Sibelius software, score it for three brass instruments that are appropriate for the range of the piece without compromising the original pitch placement
- At least one of the three instruments must be a transposing instrument

Brass Quintet – Due 2/22/17

- Using the Sibelius software, score the Chopin C-minor Prelude for brass quintet

Percussion Ensemble – Due 3/6/17

- Select one of the four-voice Bach Goldberg Variations or the Hindemith Interludium included in the course booklet
 - Goldberg Variation numbers 4, 10, 22
- Using the Sibelius software, score it for two mallet instruments that are appropriate for the range of the piece without compromising the original pitch placement, and two additional instruments of indefinite pitch, creating rhythmic material that will complement the pitched material

String Quartet – Due 3/17/17

- Using the Sibelius software, score the Bartók piece from Mikrokosmos for string quartet

Waltz for Band – Due 4/14/17

- Using the Sibelius software, score one the following Brahms choral pieces from *Liebeslieder Walzer* for full concert band
 - Number 4, 7

Waltz for Orchestra – Due 4/28/17

- Using the Sibelius software, score one the following Brahms choral pieces from *Liebeslieder Walzer* for full symphonic orchestra
 - Number 2, 5, 10, 13, 15

Portfolio

- Submit a printed copy (publisher-ready) of each and every project
- These should be neatly arranged, in chronological order, in a binder
- The collection should have a title page with
 - Course name and number
 - Semester
 - Student's name
 - Title "Orchestration Portfolio"
 - Date of submission

PLAGIARISM

Plagiarism is using another person's work without acknowledgment, making it appear to be one's own. Any ideas, words, pictures, or other source must be acknowledged in a citation that gives credit to the source. This is true no matter where the material comes from, including the internet, other student's work, unpublished materials, or oral sources. Intentional and unintentional instances of plagiarism are considered instances of academic misconduct. It is the responsibility of the student submitting the work in question to know, understand, and comply with this policy. If no citation is given, then borrowing any of the following would be an example of plagiarism:

- An idea or opinion, even when put into one's own words (paraphrase)
- A few well-said words, if these are a unique insight
- Many words, even if one changes most of them
- Materials assembled by others, for instance, quotes or a bibliography
- An argument

- A pattern or idea
- Graphs, pictures, or other illustrations
- Facts
- All or part of an existing paper or other resource

This list is not meant to include all possible examples of plagiarism. See the University Library's web page on plagiarism for further examples.

Any verified instance of plagiarism found in a student's completed work will result in an immediate failing grade for this course.

NOTICE

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act Amendments Act (ADAAA) covers issues relating to disability and accommodations. If a student has questions or needs an accommodation in the classroom (all medical information is treated confidentially), contact:

Trudy Luken, Director
 Student Accessibility Services (SAS) - Corbett Center, Rm. 244
 Phone: (575) 646-6840 E-mail: sas@nmsu.edu
 Website: <http://sas.nmsu.edu/>

NMSU policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status. Furthermore, Title IX prohibits sex discrimination to include sexual misconduct: sexual violence (sexual assault, rape), sexual harassment and retaliation.

For more information on discrimination issues, Title IX, Campus SaVE Act, NMSU Policy Chapter 3.25, NMSU's complaint process, or to file a complaint contact:

Gerard Nevarez, Title IX Coordinator
 Agustin Diaz, Title IX Deputy Coordinator
 Office of Institutional Equity (OIE) - O'Loughlin House, 1130 University Avenue
 Phone: (575) 646-3635 E-mail: equity@nmsu.edu
 Website: <http://www.nmsu.edu/~eeo/>

Other NMSU Resources:

NMSU Police Department:	(575) 646-3311 www.nmsupolice.com
NMSU Police Victim Services:	(575) 646-3424
NMSU Counseling Center:	(575) 646-2731
NMSU Dean of Students:	(575) 646-1722
For Any On-campus Emergencies:	911

Please sign and return the syllabus agreement on the next page by the second class period. Without your signed agreement, I will not accept any of your work, and you will not receive any grades for this course.

I, (printed name) _____, have received,
read and understand the syllabus for MUS 415 and agree to abide by the policies and
procedures therein.

Student's signature

Date