

Handbook for UMD Department of Music Graduate Studies in Music

Application Procedures

Application

Each student desiring to enroll in either the Master of Music in Music Education or the Master of Music in Music Performance degree program must complete the Graduate School Application for Admission which is only found online at <http://www.d.umn.edu/grad/applyonline.html>

Transcripts

Two copies of official transcripts of all previous academic study must be submitted. Also, during the program of study, students often need a complete set of official credentials covering previous college and university training. Applicants, therefore, are urged to request three sets of official credentials when preparing their application for admission: one to be submitted with the application, one for permanent filing in the Graduate School office, and the other for personal use.

English Language Proficiency

The operational standard for admission to the Graduate School is a score of at least 550 on the Test of English as a Foreign Language (TOEFL) (or 213 on a computer-based test taken after June 1998). Individual programs may have higher requirements. This examination is required of all international applicants whose native language is not English and who have not lived in the United States for at least one year while completing at least 16 semester credits within the past 24 months. For the new TOEFL available September 2005, an overall minimum score of 79 will be required with minimum scores of 21 and 19 in the writing and reading sections respectively. Individual programs may have higher requirements. Our TOEFL institutional code is 6873. This requirement will not be waived. Test scores must be less than two years old. For more information, write to TOEFL, Box 899, Princeton, NJ 08541-6151 USA

If desired, the Michigan English Language Assessment Battery (MELAB) is an alternative to the TOEFL; a minimum score of 80 is required. Information about the MELAB is available by writing to the English Language Institute, Testing and Certification, 3020 North University Building, University of Michigan, Ann Arbor, MI 48109-1057 USA

Fees

For each program, the Graduate School application fee is \$55 for U.S. applicants and \$75 for foreign applicants. This fee is subject to change. The most detailed and up-to-date information about the fee is included in the instructions that accompany the Graduate School Application for Admission.

Application Deadlines

Applicants are encouraged to apply for admission well in advance of the term in which they wish to enter the Graduate School (but no more than one year in advance of the proposed entry date). The Graduate School application, complete with all required materials, must be submitted by the following deadlines:

Fall Semester
Spring Semester

July 15
November 1

Deadlines that occur on a holiday or weekend will be extended through the next regular workday. Many major fields have established deadlines earlier than those listed above and also require additional application and supporting materials. It is the applicant's responsibility to obtain information on those deadlines and requirements from the specific program descriptions and from the director of graduate studies in the proposed major field.

Applying for Graduate Study in Music at UMD:

The University of Minnesota Duluth is a member of the University of Minnesota system and shares governance with the Graduate School on the Twin Cities campus of the University of Minnesota. This joint governance allows both schools to offer more degree options at lower costs to students with less staff, and reflects a complete restructuring of the Graduate School completed in the summer of 2009. Applying for graduate study at the University of Minnesota Duluth is a two-step process that requires application materials to be submitted to the Twin Cities campus Graduate Office via an online application, and Department of Music application materials for the University of Minnesota Duluth campus in hard copy.

(Please note that beginning Fall 2009 all applications to the Graduate School must be submitted online.)

To begin your application to the Graduate School, please visit:

www.d.umn.edu/grad/applyonline.html.

While this is a UMD web directory, you will find links and information on how to complete your online application materials on this page. The following sections will provide you with the necessary information for compiling, completing and submitting your materials for your application to the Department of Music and the School of Fine Arts at UMD.

The three steps for application are:

1. Online application
2. Departmental application(hard copy)
3. a. On-site audition with faculty in applicant's area for performance students
b. Recording of teaching ability for Music Education students

Application Instructions by Degree Option:

The Master of Music in Music Performance and in Music Education each have separate application requirements as follows:

For those applying for the M.M. in Music Performance:

- Department of Music Graduate Study Application
- A three- to five-page paper addressing current issues in music performance to be used as a professional writing example
- Two letters of reference from professional colleagues or supervisors describing the candidate's potential for success in the graduate music program
- An entrance performance audition on the candidate's major instrument or voice

For those applying for M.M. in Music Education

- Department of Music Graduate Study Application
- A three- to five-page paper addressing current issues in music education to be used as a professional writing example
- Two letters of reference from professional colleagues or supervisors describing the candidate's potential for success in the graduate music program
- A video (VHS or DVD) of classroom teaching or conducting

These should be included in the Departmental Application packet.

Financial Aid

Financial Aid for students enrolled as full-time (6 or more graduate credits per semester) graduate students in the Department of Music are eligible for several types of financial aid. Financial awards may be "piggy-backed".

Graduate Block Fellowship

Financial awards from this category come from the recommendation of the Department of Music Graduate Committee. The amount of funding available to the committee fluctuates from year-to-year, therefore the size of the award also changes. This financial aid is determined by criteria such as student academic scholarship, contributions to the department and progress through the degree. The funding is very limited and highly competitive. These awards are distributed in the first month of each semester. These awards are chosen by Graduate Committee selection; there is no application.

Graduate Teaching Assistantships

A limited number of Graduate Teaching Assistantships are available through the Department of Music for full-time students. Teaching assistantships are awarded based on student need, departmental needs and the student's ability to contribute to a specific area in the department. Teaching assistantships in the Department of Music carry a 10 hour per week work assignment that may vary from clerical assistance for ensemble directors to classroom teaching. Teaching assistantships in the Department of Music generally offer a \$6,000.00 yearly salary and 50% tuition reimbursement.

Department of Music Scholarships

Full-time graduate students in music are eligible to audition for scholarships through Department of Music scholarship auditions. Incoming students may audition in the spring and re-audition for returning student scholarships their second year. Graduate students receiving scholarships from the Department of Music will be expected to participate in ensembles in their area as needed. Students may audition during the spring semester during departmental audition dates listed at <http://www.d.umn.edu/music/scholarships/index.html>. This can also serve as your on-site audition as well.

Student Loans

Graduate students are eligible to receive federal funding in the form of student loans from the Department of Education. For more information, please contact UMD's admissions office and UMD's financial aid department. Federal loans require the filing of the FAFSA, and there are specific deadlines the student should research through the above offices.

Notification of Acceptance and Assistantships:

Once the application process is complete (including the audition), the graduate faculty will review all of the applicant's materials and make a decision regarding the acceptance of the student into the program. The processing of the acceptance can take up to three weeks. Decisions on

teaching assistantships will be made on a case-by-case basis or when all auditions have completed.

M.M. in Music Degree Options:

Audition Requirements for the Master of Music in Music Performance

Each student who applies for admission into the Master of Music in Music Performance degree program must prepare an audition on their instrument or voice. Audition repertoire will be as follows:

Voice (male and female):

- Four songs memorized:
- One each from four language groups (English, Italian, German, French)
- Minimum of three periods must be represented (Baroque, Classical, Romantic, or Contemporary) One of the selections must be an opera aria.

Piano:

Prepare the following repertoire to be performed from memory. The total performance time may range from a minimum of 15 minutes to a maximum of 20 minutes. At least one of the pieces should be technically and interpretively demanding.

1. A Prelude and Fugue from *The Well-Tempered Keyboard* by J.S. Bach or three substantial movements from a J.S. Bach suite or partita.
2. Two movements (one fast-one slow) from a sonata by Haydn, Mozart **or** Beethoven.
3. A representative work from the 19th century or the 20th century.

Brass:

Trumpet:

1. Prepare one solo of your choice, taken from the standard trumpet solo repertoire, and one of the following:
 - Kent Kennan, Sonata, mvt. I
 - Halsey Stevens, Sonata, mvt. I
 - William Lovelock, Concerto, mvt. I
 - Henri Tomasi, Concerto, mvt. I
2. Prepare an etude from Concone's *The Complete Solfeggi*, ed. John Korak.
3. Orchestral Excerpts:
 - Stravinsky, Ballerina Dance from *Petrouchka* (1947)
 - Mahler, Symphony No. 5, opening of mvt. I
 - Mussorgsky/Ravel, opening Promenade from *Pictures at an Exhibition*

4. Sight reading and/or transposition may also be required.

Trombone:

1 - Solo Requirement: Be prepared to perform 2 solos taken from the standard trombone solo repertoire. The selections should contain contrasting styles.

2 - Please prepare any slow etude of your choice from the Book I of the Rochout Etudes.

3 - Orchestral Excerpts:

- Mozart, *Requiem* second trombone, "Tuba mirum."
- Berlioz, *Hungarian March*
- Ravel, *Bolero*
- Wagner, *Ride of the Walkure*
- Strauss - *Till Eulenspiegel*

4 - Sight reading may be required

Horn: By instructor design

Tuba: By instructor design

Woodwinds:

Flute:

- A. W.A. Mozart: *Concerto in G Major*, K. 313, movement one OR
W.A. Mozart: *Concerto in D Major*, K. 314, movement one
- B. Select one work from the collection *Flute Music by French Composers* (published by Schirmer). This collection includes the Faure *Fantaisie*, Chaminade *Concertino*, and other Paris Conservatory test pieces.
- C. Three contrasting standard orchestral excerpts.
(Other repertoire may be substituted with consent of instructor.)

Oboe:

W.A. Mozart *Concerto for Oboe in C Major*, K.314, movement 1

One selection from the following list:

- P. Hindemith *Sonata for Oboe*
- C. Saint-Saens *Sonata for Oboe*
- F. Poulenc *Sonata for Oboe*
- B. Britten *Six Metamorphoses after Ovid*, Op. 49 (Any four movements)

Orchestral Excerpts:

- L.V. Beethoven *Symphony #3, Eroica*, movements 2,3,4
- G. Rossini *Silken Ladder Overture*

Clarinet:

A. Select one from the following works:

- 1) Mozart - *Concerto*, K. 622: First Movement
- 2) Debussy - *Premiere Rhapsody*

3) Copland - *Concerto*

B. Select two contrasting etudes from the Rose 32 Etudes for Clarinet

C. Orchestra Excerpts (1st clarinet parts) :

Rimsky - Korsakov: *Capriccio Espanol*

Beethoven: *Symphony No. 6* - movements 1 & 2

Bassoon:

W.A.Mozart, *Concerto for Bassoon in B flat, K. 191*, movement one
(including cadenza)

One of the following:

Hindemith, *Sonata for Bassoon and Piano*, movement one

Saint-Saëns, *Sonata pour Basson et Piano*, movement one

Milde, *Concert Studies, Vol. II*, number one

Excerpts: Stravinsky, *Firebird*, Berceuse

Tchaikovsky, *Symphony No. 4*, movement two

Berlioz, *Symphonie Fantastique*, movement four

Saxophone:

A. Select one from the following works:

1) Glazanouv - *Concerto for Saxophone*

2) Ibert - *Concertino da Camera*

3) Creston – *Sonata*

B. Select two contrasting etudes from the Ferling 48 Famous Studies for
Saxophone

C. Jazz Transcription (optional)

Percussion:

•*Marimba*- a four-mallet solo that demonstrates his or her knowledge and
application of Stevens Grip

•*Vibraphone*- a solo demonstrating knowledge and application of Burton
Grip

•*Snare Drum*- two solos, an orchestral solo either from *Portraits in Rhythm*
by Cirone or any Delecluse, and a rudimental solo

•*Timpani*- prepare a solo demonstrating pitch changing on four drums

•*Drum Set*- demonstrate various styles such as swing, bossa nova,

• samba, afro Cuban, and funk

Strings:

Violin:

Scales: all major and minor scales. 3 octaves in 1/16th notes at ¼ note
= 120 : Fingering chosen from the following Scale Books

O. Sevcik *Scale Studies*

H. Schradieck *Scale Studies*

C. Flesch *Scale Studies*

J. Hrimaly *Scale Studies*

Etude Book (selected studies from the following books)

N. Paganini – *24 Caprices for the Violin, Op.1*

P. Rodé – *24 Caprices for the Violin*
P. Gaviniès – *24 Etudes for the Violin – Matinées*
J. Dont – *24 Etudes and Caprices for the Violin, Op.35*
C. Dancla – *School of Velocity – Mechanism, Op.74*
B. Campagnoli - *Seven Divertissements - Op. 18*

Solo & Concert Pieces (Concert piece or concerto from the following repertoire list – or equivalent)

Saint Saëns – *Havanaise*
Bach *6 Sonatas & Partitas*
Beethoven *Violin Concerto (movement I or III)*
Saint Saëns *Introduction and Rondo Capriccioso*
Bruch *Violin Concerto in g (movements I or III)*
Conus *Violin Concerto in e*
Mendelssohn *Violin Concerto in e minor (movements I or III)*
Vieuxtemps *Violin Concerto #4 in d minor*
Vieuxtemps *Violin Concerto #5*
Selected Violin Sonatas

Orchestral Excerpts (3 or more excerpts chosen from the following list)

Strauss – *Don Juan (1st page)*
Mendelssohn – *Midsummer Night's Dream (Overture & Scherzo)*
Brahms – *Symphony #1 (Movement 1 – 1st page)*
Brahms – *Symphony #4 (Movement 3 – as indicated in Orchestral Excerpts)*
Brahms – *Symphony #2 (Movement 1 – as indicated in Orchestral Excerpts)*
Mozart – *Symphony #39 (Movements 1, 2 & 4 – as in Orchestral Excerpts)*
Schumann – *Symphony #2 (Scherzo)*
Prokofieff – *Classical Symphony (All movements)*
Mozart – *Symphony #40 (Movements 1 & 4 – as indicated in Orchestral Excerpts)*
Beethoven – *Symphony #4 (Movement 4 – as indicated in Orchestral Excerpts)*
Shostakovich – *Symphony #5 (Movements 1 & 4)*
Schubert – *Symphony #2 (Movements 1– as indicated in Orchestral Excerpts)*

Viola: Contact applied instructor for more information

Violoncello:

One movement from one cello concerto such as Haydn, Boccherini, Saint-Saens, Lalo, Dvorak or other representative work of the repertoire.

Two contrasting movements from the *Six Suites for Unaccompanied Violoncello* by J.S. Bach.

An etude from Popper, Duport, Piatti, or Franchomme.

One piece or movement of your choice.

Double Bass:

- Two octave major and minor scales Bb-Eb.
- One etude
- One movement of a concerto or a single movement work for double bass of appropriate difficulty. (accompaniment preferred)

Conducting:

1. DVD 20-30 minutes of rehearsal and performance footage from the conductor's *front* in a stationary view
2. Minimum 3-page writing sample demonstrating the candidates best writing ability and written towards a subject in conducting.
3. Applicant may be required to come to campus for a live audition/interview.

Collaborative Piano:

1. Solo Piano Piece
2. Movement of an Instrumental Chamber Piece
(suggested literature: outer mvmt. of any Brahms or Beethoven duo sonata)
3. Art Song/Aria Repertoire
(suggested literature: songs of Schubert, Schumann, Brahms, Fauré, Debussy, Barber, Rorem; arias from the Schirmer Opera Anthology, ed. Larsen)
4. Sightreading from instrumental and/or vocal repertoire

Advisement and Class Rotation:

Each graduate student must meet each semester with the Director of Graduate Studies in Music for course and degree advisement prior to registration for the following semester. Due to the scheduled rotation of courses, it is important that each graduate student be enrolled for the proper courses each semester for the scheduled completion of their degree. Several course are only offered once per academic year. The advisement session is required and a hold is placed on each student's academic account until this advisement session has taken place.

At the end of this document, sample Two-Year Plans for each of the Degree Tracks and emphases of the Master of Music degrees can be found to provide a guide for you in planning your courses. Also at the end of this document is a UMD Master of Music Course Guide which outlines the different categories of courses required for the completion of the M.M., how many credits are required in each category, and when they are offered.

Degree Program Transmittal Form

After fifteen (15) graduate credits have been earned, each graduate student must complete and submit the Degree Program Transmittal Form. This form, found in

the UMD Graduate School Office (Darland 431), is the formal declaration to the University of Minnesota of the courses completed, and the future courses planned in order to complete the degree. In addition, this form also requires the student to list their advisor, and the members of their Examining Committee. Typically, graduate students complete this form in the third semester of their study.

Examining Committees

Each M.M. student must select, in conjunction with their advisor, a three- member Examining Committee who will serve to guide them through the progress of their degree, will attend their recital, review their program notes, read and revise their Plan B Project and ultimately sit on their oral examinations. The Graduate School requires that two members of this committee be from your field (ex. if you are a M.M. in Vocal Performance, two of your committee members should be in the vocal area), and one from outside your field (ex. non-vocalist musician or other music-related professor). All members of the Examining Committee must be Graduate Faculty. Consult the Director of Graduate Studies for a list of eligible faculty members.

Academic Standing and Progress Through the Degree Program

Students enrolled in the M.M. degree are required by the Graduate School of the University of Minnesota to maintain a 3.0 GPA (cumulative) throughout the course of their studies at UMD. Any semester in which they fall below the 3.0 GPA limit, they will be notified by both the Graduate School and the Department of Music DGS, and they will be on academic probation. If a student fails to bring their GPA back to acceptable levels, further action may be taken according to the guidelines of the Graduate School.

Each graduate student has seven (7) years from the first semester of enrollment to complete the M.M. degree. If the student does not complete the degree in seven years, all academic coursework is forfeited. *If a student does not intend to register for courses in any semester (take time off), they MUST enroll for the GRAD99 course designator in order to keep their status active within the University of Minnesota Graduate School.* Failure to register for this zero-credit course will result in the requirement to re-apply to the Graduate School, with all included fees.

Graduate Recitals

Graduate Recitals are intended to represent the culmination of a student's artistic study and development at UMD as a performer. They should demonstrate mastery of a breadth and range of skills and repertoire representative of

professional-level musical achievement. The **Graduate Recital Checklist** can be found at the end of this handbook.

Planning:

Students in the Master of Music in Music Performance degree option are required to present one full (minimum of 50 minutes performance-maximum of 90) recital to fulfill the requirements of their degree during their study at UMD. Graduate students may present more than one recital during their time at UMD, however only one may count for credit and fulfill the degree requirement. The following guidelines apply towards degree-fulfilling recitals:

- Students must be registered for MU8300 Graduate Recital in the semester in which they are going to present the degree recital.
- Each student must select a Examining Committee which will consist of the student's Applied Instructor and two other members of the graduate faculty. The two other members do not have to be in the student's area, however it is encouraged. A list of faculty who are graduate faculty can be obtained from the Director of Graduate Studies. It is important that the student choose a date for the recital that will accommodate each member of the Examining Committee, as each member must be present and will assign a grade. The Examining Committee Selection form can be found in the Department of Music office (H231).
- A recital jury must be performed for the Examining Committee no less than **one month** prior to the date of the recital. Selection of the date of the recital jury is the responsibility of the student. The student will not be allowed to perform a recital if the recital jury has not occurred. In the event a student does not pass the recital jury, deficiencies will be addressed and the committee will determine whether or not a postponement is necessary. Forms for recital juries can be found in the Department of Music office (H231).
- Students must be enrolled in MU8301 Graduate Applied Music the semester of their recital.
- The program and program notes must be turned into the music department secretary **one week** prior to the recital. More information on program notes will be found on the following pages.
- Recitals must be scheduled for either the Fall or Spring semesters.

Fall: Recitals being presented in fall semesters must be booked into the official departmental concert calendar no later than **May 1** of the preceding semester in which the recital is to be given. Forms outlining the process for booking dates for recitals may be found in the Department of Music office (H231) next to the student worker desk, or in the calendar binder. Signatures from the applied instructor, the department head and Weber Hall staff must be obtained on these forms in order for the date to be considered officially secured.

Spring: Recitals being presented in spring semesters must be booked into the official departmental concert calendar no later than **October 1** of the fall semester preceding the spring semester in which the recital is to be given.

Grading: The final grade for the recital will be assigned by the applied instructor as a compilation of the Recital Committee's judgement.

Accompanist: Each student presenting a recital at UMD is provided an allotted amount of rehearsal and performance time with an UMD accompanist. See the Department of Music secretary for information on arranging to contact an accompanist for a recital.

Cancellation/postponement: Recitals may not be cancelled by the student for any reason. Only the applied instructor or the Department Head may cancel a Graduate Recital. Acceptable reasons for cancellation include health-related trauma, sudden severe illness or death in an immediate family member, or a university-mandated school closure. In any of these events, a postponement will be suggested for the next closest available date on the concert calendar. In the event that the student cannot reschedule the recital in the semester for which they are registered, an grade of incomplete (I) will be given and the student will have one full calendar year to fulfill the requirements for the deficiency.

Program Notes:

The program notes are considered a major component of the degree recital, and are the basis for the research portion of the final written exams for the Master of Music in Music Performance. The program notes that the student will prepare for the examinations will consist of fully researched histories of each composition and its composer including footnotes and bibliographic citations according to the Chicago Style Guide (a useful resource is Kate Turabian's *A Manual for Researchers*, 7th Edition). Compositions with lyrics should have those included in the program notes, and translations for vocal works should be provided with credit to the translator, if it is not the student. The program notes that will appear in the program for the degree recital will be an abbreviated version of the fully researched notes, formatted for space and content.

The student will work *in conjunction with their applied instructor* in the preparation of the program notes, however the Recital Committee must give unanimous approval before being sent for printing in the program.

Step 1. Full program notes are completed in conjunction with the applied instructor

Step 2. Submission of the **full** program notes for approval to the committee *two weeks* prior to the recital date.

Step 3. Student extracts the notes that will appear in the program from the full program notes from the committee's approved version

Master of Music in Music Education

Core Courses:

MU5201 Advance Music History 2 credits

MU8101 Graduate Music Theory 2 credits

MU8222 Music Bibliography and Research 3 credits

MU8601 Foundations of Music Education 3 credits

Additional Requirements:

Electives in Music Education or Education (8 credits)

Electives in Music (4 credits)

Plan B Paper (6 credits)

Electives (2 credits)

Oral Examination on Plan B Paper (0 credits)

Comprehensive Written Examination (0 credits)

Total Credits Required: 30 Semester Credits

Plan B Project Requirements

The Master of Music in Music Education degree requires each student to compose a Plan B Project paper on a topic directly related to their study in music education. The Plan B Project should be a rigorous pursuit of an academic topic and should contribute new knowledge to the already existing base in the field.

There are several steps in the process of developing and approving the graduate thesis as are outlined below.

Course Registration

Students who will be planning to write and defend their Plan B Project paper must register for Plan B Project (Directed Study in Music Education) credits for each semester they are working on the document until they have completed the thesis and successfully defended (up to 6 credits)

Topic and Prospectus

The topic of the Plan B Project must be discussed and approved by the student's Graduate Committee and advisor **before** work on the paper may begin. The topic

should be researched for validity and for evidence of viability by discovering past and current research related to the topic area and what new information can be added to this body of information through the project. This topic and the research of the topic should be presented in a written proposal called a prospectus which includes the title of the paper, an explanation of the new research or insight to be developed in the paper, and a bibliography of the research that has been conducted in the arrival of the paper topic. Once the prospectus has been completed, it will be reviewed by the student's Graduate Committee and it will either be approved or be sent back to the student for changes and/or revisions. Once the topic has been approved, the student may begin further research and the writing of the document.

Guidelines for the Prospectus:

The prospectus should be a one-to-two page document that outlines the topic, the body of existing research relating to that topic and what contributions the student's thesis will make to that body of knowledge. The prospectus should be formatted according to the guidelines established on the "Guidelines for the Prospectus for the Plan B Project for the Master of Music in Music Education" sheet in the back of this handbook.

Content and Guidelines

The Plan B Project should follow the standard five-chapter thesis format.

Chapter 1: Introduction, Problem Statement, Research Questions

Chapter 2: Survey of related literature;

a) related research studies

b) professional opinion

Chapter 3: Research Methods

Chapter 4: Results

Chapter 5: Summary, Conclusions, Recommendations

Graduate students who wish to view examples of successful Plan B theses may do so in the Music Education Resource Library (H170).

Style and Formatting

The Plan B Project for the Master of Music in Music Education should adhere to the current standards for the music education field in academic writing. Current standards follow the APA (American Psychological Association) style guide which can be found in the annual style guide publication by the APA. More information can be obtained by visiting <http://apastyle.apa.org/>. This style guide demonstrates proper format for citations and works cited.

Graduation and Forms

The University of Minnesota Duluth only holds one commencement ceremony, in May of the Spring semester; however, graduate students may “graduate” in any month in which all of their requirements are complete. The conferring of the degree requires several types of paperwork to be filed in advance.

If the student intends to participate in commencements ceremonies, he or she must visit the Graduate School Office (Darland 431) in November of the fall semester to pick up the graduation packet. This packet contains several forms which will need to be filed well in advance of the ceremony. It is the student’s responsibility to ensure these forms are completed.

Completing the Degree

Written and Oral Final Examinations

Each student enrolled in the M.M. in Music Performance is required to complete and pass written and oral examinations in order to complete their degree. The student’s entire Graduate Committee administers the oral portion of the final examinations and the written portion will be administered by the instructors of Advanced Music History and Advanced Music Theory. All coursework and recital must be completed before the student may schedule the final examinations.

Scope and Content of the Written Examination

The written portion of the graduate final exam will consist of one question in music history, one question in music theory, and one additional question either in applied music literature or music education, depending on the student’s degree track. The subject of the music history question is determined by the focus of the student’s course in Advanced Music History. As Advanced Music History is a topics course, the focus will change from year to year. The student will have one hour to answer the question in essay format.

The written portion of the exam in music theory will similarly revolve around the focus of the Advanced Music Theory course, and the student will have forty-five minutes in which to complete their answer. The student will be provided with the topic of the question for each written examination three weeks prior to the date of the exam; however, the exact question will not be revealed until the actual exam.

For the literature question, the student may choose which of their literature courses over which they wish to be tested. All three exams are pass/no pass, and results take approximately 1-3 days to return. They are essay

format and require comprehensive knowledge of the assigned topic (hence the three week preparation time).

The written exams typically take place in the Spring semester of the student's second year; however, if the student has completed all relevant coursework (all Core Courses, literature courses), then the student may petition with the Director of Graduate Studies for early registration for examination.

Scope and Content of the Oral Examination

The oral examination represents the final milestone in the Master of Music degree at UMD, and cannot be scheduled until all coursework, recitals, the Plan B Project, and successful completion of the Written Examinations.

The oral examinations for the M.M. in Music Performance (all emphases) and in Music Education differ in their content and approach.

The oral examination for the M.M. in Music Performance student covers all materials relating to the preparation and the performance of the required recital including the program notes. Comprehensive knowledge of the composers, time periods, relevant performance practice styles and important historical developments surrounding the compositions chosen is expected. The exam lasts forty-five minutes to one hour and will be administered by the student's Graduate Committee. The entire committee must be present.

The oral examination for the M.M. in Music Education covers the Plan B Project, including preparation, research, study, gathering of materials, methodology, implications on further research and final conclusions. The student is expected to demonstrate expertise in his or her topic in a collegial setting. The oral exam lasts forty-five minutes to one hour and will be administered by the student's Graduate Committee. The entire committee must be present.

Outcome of the Final Examinations

Immediately after the conclusion of the oral examination, the student's Graduate Committee will briefly convene to discuss the answers given by the student. A unanimous passing vote must be given in order for the student to be considered to have completed the requirements of the Master of Music degree. In the event that the committee cannot come to a unanimous passing vote, the committee must prepare a written statement outlining the student's deficiencies for both the oral and written exams. The student and the committee must then schedule a date for which the exam(s) can be retaken.

Master of Music in Music Performance-Instrumental

In order to be a full-time student in the graduate program, a student must be enrolled in six graduate credits per semester. Below is a sample, two-year plan that will aid you in determining your course plan for your requirements and the offerings by semester.

Year 1

Fall Semester

MU8222 Music Bibliography and Research	3
MU8301 Graduate Applied Music	2
MU5204 Instrumental Ensemble Literature OR	2
MU5207 Instrumental Chamber Literature	1
MU4xxx Instrumental Ensemble	1*

TOTAL 6-7

Spring Semester

MU5201 Advanced Music History	2
MU8401 Graduate Pedagogy	1
MU8301 Graduate Applied Music	2
MU5205 Instrumental Solo Literature	1
MU4xxx Instrumental Ensemble	1*

Electives**
MU8701 Graduate Applied Conducting 1-2

TOTAL 7-9

Year 2

Fall Semester

MU8101 Advanced Music Theory	2
MU8301 Graduate Applied Music	2
MU5204 Instrumental Ensemble Literature OR	2
MU5207 Instrumental Chamber Literature	1
MU4xxx Instrumental Ensemble	1*

Electives**
MU8991 Independent Study† 1-2
MU505 African Roots of American Music 3

TOTAL 9-11

Spring Semester

MU8601 Foundations of Music Learning	3
MU8301 Graduate Applied Music	2
MU8300 Graduate Recital	1
MU4xxx Instrumental Ensemble	1*

TOTAL 6

Upon successful completion of coursework and recital, the student will take written and oral examinations to fulfill requirements of the degree.

* Only approved 4xxx level courses count as graduate credit

**Students must have 4 credits of elective credits on their degree program to graduate.

† MU8991 May be repeated once

Master of Music in Music Performance-Vocal

In order to be a full-time student in the graduate program, a student must be enrolled in six graduate credits per semester. Below is a sample, two-year plan that will aid you in determining your course plan for your requirements and the offerings by semester.

Year 1

Fall Semester

MU8222 Music Bibliography and Research	3
MU8301 Graduate Applied Music	2
MU5206 Vocal Solo Literature	1
OR	
MU5208 Vocal Chamber Literature	1
MU5510 Opera Studio	1
OR	
MU4xxx Vocal Ensemble	1*

TOTAL 7-9

Spring Semester

MU5201 Advanced Music History	2
MU8401 Graduate Pedagogy	1
MU8301 Graduate Applied Music	2
MU5203 Advanced Choral Literature	2
MU5206 Vocal Solo Literature	1
MU5510 Opera Studio	1
OR	
MU4xxx Vocal Ensemble	1*
Electives**	
MU8302 Graduate Secondary Applied	1
MU8701 Graduate Applied Conducting	1-2

Year 2

Fall Semester

MU8101 Advanced Music Theory	2
MU8301 Graduate Applied Music	2
MU5206 Vocal Solo Literature	1
AND/OR	
MU5208 Vocal Chamber Literature	1
MU5510 Opera Studio	1
OR	
MU4xxx Vocal Ensemble	1*

Electives**	
MU8991 Independent Study †	1-2
MU5005 African Roots of American Music	3

TOTAL 7-10

Spring Semester

MU8601 Foundations of Music Learning	3
MU8301 Graduate Applied Music	2
MU8300 Graduate Recital	1
MU5510 Opera Studio	1
OR	
MU4xxx Vocal Ensemble	1*

TOTAL 7

Upon successful completion of coursework and recital, the student will take written and oral examinations to fulfill requirements of the degree.

* Only approved 4xxx level courses count as graduate credit, if not involved in MU5510 Opera Studio

**Students must have 4 credits of elective credits on their degree program to graduate.

† MU8991 May be repeated once

Master of Music in Music Education

In order to be a full-time student in the graduate program, a student must be enrolled in six graduate credits per semester. Below is a sample, two-year plan that will aid you in determining your course plan for your requirements and the offerings by semester.

Year 1

Fall Semester		Spring Semester	
MU8222 Music Bibliography and Research	3	MU5201 Advanced Music History	2
Electives:		Electives**	
MU5205 Instrumental Solo Literature	1	MU8301 Graduate Secondary Applied Music	2
MU5206 Vocal Solo Literature	1	MU8401 Graduate Pedagogy	1
OR		MU8701 Graduate Applied Conducting	1-2
MU5208 Vocal Chamber Literature	1		
MU5204 Instrumental Ensemble Literature	2	TOTAL	<u>9-10</u>
OR			
MU5207 Instrumental Chamber Literature	1		
MU8301 Graduate Secondary Applied Music	2		
MU8701 Graduate Applied Conducting	1-2		
TOTAL	<u>7-9</u>		

Year 2

Fall Semester		Spring Semester	
MU8101 Advanced Music Theory	2	MU8601 Foundations of Music Learning	3
MU8899 Directed Project in Music Education (Plan B Project)	2	MU8899 Directed Project in Music Education (Plan B Project)	4
Electives**			
MU5005 African Roots of American Music	3		
MU5205 Instrumental Solo Literature	1		
MU5206 Vocal Solo Literature	1		
OR			
MU5208 Vocal Chamber Literature	1	TOTAL	<u>7</u>
MU5204 Instrumental Ensemble Literature	2		
OR			
MU5207 Instrumental Chamber Literature	1		
MU8301 Graduate Secondary Applied Music	2		
MU8701 Graduate Applied Conducting	1-2		
MU8991 Independent Study †	1-2		
TOTAL	<u>7-10</u>		

Upon successful completion of coursework and recital, the student will take written and oral examinations to fulfill requirements of the degree.

* 4xxx level courses do not count as graduate credit, but are a requirement for degree fulfillment, if not involved in MU5510 Opera Studio

**Students must have 4 credits of elective credits on their degree program to graduate.

† MU8991 May be repeated once

Master of Music in Music Performance

Vocal and Instrumental

Degree requirements: 30 credits required for degree completion

Categories:

Core Courses	10 credits (all courses required)
Applied Music	8 credits required
Graduate Pedagogy	1 credit required
Graduate Recital	1 credit
Literature courses	4 credits required
Ensembles	2 credits required
Electives	4 credits required

Core Courses:

Course Title	Credits	Semester(s) offered
<input type="checkbox"/> MU5201 Advanced Music History	2	Spring
<input type="checkbox"/> MU8101 Advanced Music Theory	2	Fall
<input type="checkbox"/> MU8222 Music Bibliography and Research	3	Fall
<input type="checkbox"/> MU8601 Foundations of Music Learning	3	Spring

Pedagogy:

<input type="checkbox"/> MU8401 Graduate Pedagogy	1	Spring
---------------------------------------------------	---	--------

Applied Music:

<input type="checkbox"/> MU8301 Graduate Applied Music	2	Fall and Spring
--------------------------------------------------------	---	-----------------

Graduate Recital:

<input type="checkbox"/> MU8300 Graduate Recital*, **	1	TBA
-------------------------------------------------------	---	-----

**see graduate recital guidelines found in the Department of Music office, H231*

Literature Courses-Instrumental:

<input type="checkbox"/> MU5204 Instrumental Ensemble Literature	2	Fall
<input type="checkbox"/> MU5207 Instrumental Chamber Literature	1	Fall
<input type="checkbox"/> MU5205 Instrumental Solo Literature	1	TBA

Literature Courses-Vocal:

<input type="checkbox"/> MU5203 Advanced Choral Literature	2	Spring
<input type="checkbox"/> MU5206 Vocal Solo Literature*	1	Fall and Spring
<input type="checkbox"/> MU5208 Vocal Chamber Literature	1	Fall

**MU5206 may be repeated three times*

Ensembles:

<input type="checkbox"/> All 4xxx ensembles, including chamber music	1	Fall and Spring
<input type="checkbox"/> MU5510 Opera Studio	1	Fall and Spring

Ensemble credits may be used as elective credits after the 2 required credits have been met

Electives

<input type="checkbox"/> MU5005 African Roots of American Music	3	Spring
<input type="checkbox"/> MU8302 Graduate Secondary Applied Music**	1	TBA
<input type="checkbox"/> MU8701 Graduate Applied Conducting**	1	TBA
<input type="checkbox"/> MU8991 Independent Study*	1-2	TBA

*may be repeated, however may only have a total of 2 credits

**maximum of 4 credits

Master of Music in Music Performance

in

Applied Conducting: Choral and Instrumental

Degree requirements: 30 credits required for degree completion

Categories:

Core Courses	10 credits (all courses required)
Applied Music	8 credits required
Graduate Pedagogy	1 credit required
Graduate Recital	1 credit
Literature courses	4 credits required
Ensembles	2 credits required
Electives	4 credits required

For Choral Conducting Candidates: Language prerequisites must be met either through diagnostic screening or remedial coursework. (**Prerequisite: Students without 2 semesters of diction on their transcripts are required to complete the undergraduate diction sequence-MU1411 and MU1412/13.**)

Core Courses:

Course Title	Credits	Semester(s) offered
<input type="checkbox"/> MU5201 Advanced Music History	2	Spring
<input type="checkbox"/> MU8101 Advanced Music Theory	2	Fall
<input type="checkbox"/> MU8222 Music Bibliography and Research	3	Fall
<input type="checkbox"/> MU8601 Foundations of Music Learning	3	Spring

Pedagogy:

<input type="checkbox"/> MU8401 Graduate Pedagogy	1	Spring
---------------------------------------------------	---	--------

Applied Music:

<input type="checkbox"/> MU8701 Graduate Applied Conducting	2	Fall and Spring
-------------------------------------------------------------	---	-----------------

Graduate Recital:

<input type="checkbox"/> MU8300 Graduate Recital*, **	1	TBA
-------------------------------------------------------	---	-----

*see graduate recital guidelines found in the Department of Music office, H231

**The graduate conducting recital credit requires the student to conduct large ensembles as well

Literature Courses-Instrumental*:

<input type="checkbox"/> MU5204 Instrumental Ensemble Literature	2	Fall
<input type="checkbox"/> MU5207 Instrumental Chamber Literature	1	Fall

**One each is required, but one of the two must be repeated*

Literature Courses-Vocal:

<input type="checkbox"/> MU5203 Advanced Choral Literature	2	Spring
<input type="checkbox"/> MU5208 Vocal Chamber Literature	1	Fall

Ensembles:

<input type="checkbox"/> All 4xxx ensembles, including chamber music	1	Fall and Spring
<input type="checkbox"/> MU5510 Opera Studio	1	Fall and Spring

Ensemble credits may be used as elective credits after the 2 required credits have been met

Electives

<input type="checkbox"/> MU5005 African Roots of American Music	3	Spring
<input type="checkbox"/> MU8302 Graduate Secondary Applied Music**	1	TBA
<input type="checkbox"/> MU8991 Independent Study*	1-2	TBA
<input type="checkbox"/> MU3212 Opera Literature***†	2	Fall
<input type="checkbox"/> MU1411 Diction***	1	Fall
<input type="checkbox"/> MU1412/13 Diction***	1	Spring

*may be repeated, however may only have a total of 2 credits

**maximum of 4 credits

1xxx and 3xxx-level courses do not count towards graduate credit

† MU3612 Opera Literature is suggested for Orchestral Conducting students

Admission requirements:

1. DVD 20-30 minutes of rehearsal and performance footage from the conductor's *front* in a stationary view
2. Minimum 3-page writing sample demonstrating the candidate's best writing ability and written towards a subject in conducting.
3. Applicant may be required to come to campus for a live audition/interview.

Master of Music in Music Performance

in Collaborative Piano

Degree requirements: 30 credits required for degree completion

Categories:

Core Courses	10 credits (all courses required)
Applied Music	8 credits required
Graduate Pedagogy	1 credit required
Graduate Recital	1 credit required
Literature courses	4 credits required
Ensembles	2 credits required
Electives	4 credits required

Language prerequisites must be met either through diagnostic screening or remedial coursework. (**Prerequisite: Students without 2 semesters of diction on their transcripts are required to complete the undergraduate diction sequence-MU1411 and MU1412/13.**)

Core Courses:

Course Title	Credits	Semester(s) offered
<input type="checkbox"/> MU5201 Advanced Music History	2	Spring
<input type="checkbox"/> MU8101 Advanced Music Theory	2	Fall
<input type="checkbox"/> MU8222 Music Bibliography and Research	3	Fall
<input type="checkbox"/> MU8601 Foundations of Music Learning	3	Spring

Pedagogy:

<input type="checkbox"/> MU8401 Graduate Pedagogy	1	Spring
---------------------------------------------------	---	--------

Applied Music:

<input type="checkbox"/> MU8301 Graduate Applied Music	2	Fall and Spring
--------------------------------------------------------	---	-----------------

Graduate Recital:

<input type="checkbox"/> MU8300 Graduate Recital*, **	1	TBA
-------------------------------------------------------	---	-----

**see graduate recital guidelines found in the Department of Music office, H231*

***Students may perform either 1 recital of vocal literature and 1 recital of instrumental literature, or the two recitals may be equally balanced programs of vocal and instrumental literature*

Literature Courses:

<input type="checkbox"/> MU5206 Vocal Solo Literature (English)	1	Fall
<input type="checkbox"/> MU5205 Instrumental Solo Literature	1	TBA
<input type="checkbox"/> MU5207 Instrumental Chamber Literature*	1	Fall

*Two credits required (sonatas and chamber music)

Ensembles:

<input type="checkbox"/> All 4xxx ensembles, including chamber music*	1	Fall and Spring
<input type="checkbox"/> MU5510 Opera Studio	1	Fall and Spring
<input type="checkbox"/> MU5627 Art of Accompanying (vocal)	2	Fall
<input type="checkbox"/> MU5628 Art of Accompanying (instrumental)	2	Spring

*Ensemble credits may be used as elective credits after the 2 required credits have been met

Electives

<input type="checkbox"/> MU4621 Piano Pedagogy and Practicum I	2	Fall
<input type="checkbox"/> MU4622 Piano Pedagogy and Practice II	2	Spring
<input type="checkbox"/> MU5005 African Roots of American Music	3	Spring
<input type="checkbox"/> MU8302 Graduate Secondary Applied Music**	1	TBA
<input type="checkbox"/> MU8701 Graduate Applied Conducting**	1	TBA
<input type="checkbox"/> MU8991 Independent Study*	1-2	TBA

*may be repeated, however may only have a total of 2 credits

**maximum of 4 credits

Language Requirements:

<input type="checkbox"/> MU1411 Diction: Italian and English*	1	Fall
<input type="checkbox"/> MU1412 Diction: German*	1	Spring
<input type="checkbox"/> MU1413 Diction: French*	1	Spring

* 14xx-level courses do not count for graduate credit, but only fulfill prerequisites

Master of Music in Music Education

Degree requirements: 30 credits required for degree completion

Categories:

Core Courses	10 credits (all courses required)
Plan B Project	6 credits required
Electives	4 credits required
Electives in Music Education	8 credits required
Electives in Music	2 credits required

Core Courses:

Course Title	Credits	Semester(s) offered
<input type="checkbox"/> MU5201 Advanced Music History	2	Spring
<input type="checkbox"/> MU8101 Advanced Music Theory	2	Fall
<input type="checkbox"/> MU8222 Music Bibliography and Research	3	Fall
<input type="checkbox"/> MU8601 Foundations of Music Learning	3	Spring

Electives in Music

Pedagogy:

<input type="checkbox"/> MU8401 Graduate Pedagogy	1	Spring
---------------------------------------------------	---	--------

Applied Music:

<input type="checkbox"/> MU8302 Graduate Applied Music	1	Fall and Spring
--------------------------------------------------------	---	-----------------

Literature Courses-Instrumental:

<input type="checkbox"/> MU5204 Instrumental Ensemble Literature	2	Fall
<input type="checkbox"/> MU5207 Instrumental Chamber Literature	1	Fall
<input type="checkbox"/> MU5205 Instrumental Solo Literature	1	TBA

Literature Courses-Vocal:

<input type="checkbox"/> MU5203 Advanced Choral Literature	2	Spring
<input type="checkbox"/> MU5206 Vocal Solo Literature*	1	Fall and Spring
<input type="checkbox"/> MU5208 Vocal Chamber Literature	1	Fall

**MU5206 may be repeated three times*

Electives**Ensembles:**

<input type="checkbox"/> All 4xxx ensembles, including chamber music	1	Fall and Spring
<input type="checkbox"/> MU5510 Opera Studio	1	Fall and Spring

Ensemble credits may be used as elective credits after the 2 required credits have been met

<input type="checkbox"/> MU5005 African Roots of American Music	3	Spring
<input type="checkbox"/> MU8302 Graduate Secondary Applied Music**	1	TBA
<input type="checkbox"/> MU8701 Graduate Applied Conducting**	1	TBA
<input type="checkbox"/> MU8991 Independent Study*	1-2	TBA

**may be repeated, however may only have a total of 2 credits*

***maximum of 4 credits*

Guidelines for the Prospectus for the Plan B Project for the Master of Music in Music
Education

PROPOSED TITLE FOR THE PROJECT (ALL CAPS AND CENTERED)

*Body paragraph 1

Explanation of the thesis topic and the methods in which new research will be conducted

*Body paragraph 2

Explanation of existing research and how the student's thesis will contribute new knowledge in the field

*Working bibliography:

This should be a fairly extensive list of resources which will be used in the research of the thesis.

This document should be double-spaced, using 12-point font size. Times or Times New Roman fonts are recommended.

SAMPLE TITLE PAGE – MASTERS THESIS

All items centered – TITLE IN ALL CAPS – Use official degree names only

Date is month and year of degree conferral

DEVELOPMENT OF MUSICAL COGNITION IN CHILDREN THROUGH
ELEMENTARY MUSIC PROGRAMS IN PUBLIC SCHOOLS IN NORTHERN
MINNESOTA: A CASE STUDY

by

Jane L. Doe

A Thesis Submitted in

Partial Fulfillment of the

Requirements for the Degree of

Master of Music

in Education

at

The University of Minnesota Duluth

May 2008

SAMPLE APPROVAL PAGE MASTERS THESIS
Same as title page with the addition of signature lines and page number

FACTORS AFFECTING DEGREE PROGRESS OF GRADUATE STUDENTS
AT A LARGE URBAN UNIVERSITY AND IMPLICATIONS FOR STUDENT
SERVICES OPERATIONS AND UNIVERSITY POLICY

by

Jane L. Doe

A Thesis Submitted in
Partial Fulfillment of the
Requirements for the Degree of

Master of Music
in Education

at

The University of Minnesota Duluth

May 2008

Signature goes here

Major Professor

Date

Graduate School Approval

Date

Graduate Recital Checklist and Form

Student Name: _____ Planned date of recital*: _____

Graduate Committee

Applied Instructor (required member) _____

Graduate Faculty _____

Graduate Faculty _____

Graduate Faculty _____

Date Submitted: _____

**upon approval of recital jury*

Checklist:

- ☐ *Date cleared by Music Department secretary on Department Calendar* _____
 - ☐ *Paperwork and date submitted to Weber Hall manager for approval* _____
 - ☐ *Date and Paperwork approved by Weber Hall manager, Department Head* _____
 - ☐ *Graduate Recital Jury date, time and location scheduled with committee members* _____
-

Graduate Recital Jury

Date of Jury: _____ (must be 30 days or more prior to projected recital date)

Faculty Signature: _____ Pass _____ Fail* _____

Faculty Signature: _____ Pass _____ Fail* _____

Faculty Signature: _____ Pass _____ Fail* _____

Faculty Signature: _____ Pass _____ Fail* _____

*Indications of fail must be explained on a separate sheet

Application Form
Department of Music Graduate Program
University of Minnesota Duluth

Directions: Complete this form and return to:

Graduate Program
UMD Department of Music
1201 Ordean Court, 231H
Duluth, MN 55812

Date of Application: _____

Degree sought: M.M. Music Education _____ M.M. Music Performance _____

Major Instrument: _____

I. Personal Information

Applicant's Name _____

Home Address _____

City: _____ State: _____ Zip Code: _____

Phone Number: work (____) _____ home (____) _____

e-mail address: _____

Place of Employment: _____

Work Address: _____

City: _____ State: _____ Zip Code: _____

II. Employment: List Work Activity; Begin with most recent employment

<u>Date</u>	<u>Place</u>	<u>Title/Description of Responsibilities</u>
-------------	--------------	----------------------------------------------

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

III. Academic History: List Your Academic Experience; Begin with Most Recent Activity

<u>Institution</u>	<u>Dates Attended</u>	<u>Degree/Date Awarded</u>
--------------------	-----------------------	----------------------------

IV. PERSONAL STATEMENT: IN A BRIEF ESSAY, DESCRIBE YOUR REASONS FOR SEEKING A GRADUATE DEGREE IN MUSIC EDUCATION OR MUSIC PERFORMANCE. PLEASE TYPE OR PRINT; YOU MAY ATTACH A SEPARATE PAGE IF YOU CHOOSE.

V. REFERENCES: PLEASE SUBMIT 2 LETTERS OF PROFESSIONAL REFERENCE DISCUSSING YOUR POTENTIAL FOR SUCCESS IN GRADUATE SCHOOL. LETTERS SHOULD BE SENT DIRECTLY TO:

Dr. Jefferson Campbell
Director of Graduate Studies
Department of Music
231 Humanities Building
1201 Ordean Court

Duluth, MN 55812

Application for Graduate Teaching Assistantship

University of Minnesota Duluth Department of Music

Please return this form to the Director of Graduate Studies:

UMD Department of Music
1201 Ordean Court-231H
Duluth, MN 55812

Name: _____ Phone: (____) _____

Mailing Address: _____ e-mail: _____@_____

Please list education history (high school forward)

Name of School	Date graduated	Degree Earned

Please indicate your area of preference for Teaching Assistantship (preference does NOT indicate your final assignment)

- | | |
|----------------------------------------------|----------------------------------------|
| <input type="checkbox"/> Bands | <input type="checkbox"/> Music History |
| <input type="checkbox"/> Athletic Bands | <input type="checkbox"/> Music Theory |
| <input type="checkbox"/> Choirs | <input type="checkbox"/> Orchestra |
| <input type="checkbox"/> Opera | |
| <input type="checkbox"/> Piano(accompanying) | |

Please provide background/experience you have in the areas you have selected and why you are interested in a T.A. in this/these area(s): _____

Are you applying for any other forms of financial aid? Yes ____ No ____

If so, please indicate what types and from what source (student loans, fellowships, T.A.s in other departments, etc.) _____
