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OFFICE OF THE
SENATE COUNCIL**1. General Information**

1a. Submitted by the College of: FINE ARTS

Date Submitted: 12/10/2014

1b. Department/Division: Fine Arts - Music

1c. Contact Person

Name: David Sogin

Email: sogin@uky.edu

Phone: 257-1038

Responsible Faculty ID (if different from Contact)

Name: Michael Hudson

Email: michael.hudson@uky.edu

Phone: 218-1476

1d. Requested Effective Date: Semester following approval

1e. Should this course be a UK Core Course? No

2. Designation and Description of Proposed Course2a. Will this course also be offered through Distance Learning?: Yes ⁴

2b. Prefix and Number: MUS 648

2c. Full Title: Music Software Technology

2d. Transcript Title:

2e. Cross-listing:

2f. Meeting Patterns

LECTURE: 3

2g. Grading System: Letter (A, B, C, etc.)

2h. Number of credit hours: 3 credits

2i. Is this course repeatable for additional credit? No

If Yes: Maximum number of credit hours:

If Yes: Will this course allow multiple registrations during the same semester?

2j. Course Description for Bulletin: This course is directed toward developing advanced competencies in music technology common to the fields of music education and music therapy. Supervised projects will be a large component of this course and projects will be individualized based on students' educational track and career goals. All course instructional materials are conducted online but there are three face-to-face meetings during the second half of the course. Two of these meetings are individual conferences with the instructor, and one is for presentation of the project on Saturday morning of the last week of class schedule.

2k. Prerequisites, if any: Permission of Instructor.

2l. Supplementary Teaching Component:

3. Will this course taught off campus? No

If YES, enter the off campus address:

4. Frequency of Course Offering: Spring,

Will the course be offered every year?: Yes

If No, explain:

5. Are facilities and personnel necessary for the proposed new course available?: Yes

If No, explain:

6. What enrollment (per section per semester) may reasonably be expected?: 3-6

7. Anticipated Student Demand

Will this course serve students primarily within the degree program?: Yes

Will it be of interest to a significant number of students outside the degree pgm?: No

If Yes, explain:

8. Check the category most applicable to this course: Relatively New – Now Being Widely Established,

If No, explain:

9. Course Relationship to Program(s).

a. Is this course part of a proposed new program?: No

If YES, name the proposed new program:

b. Will this course be a new requirement for ANY program?: Yes

If YES, list affected programs: This course is required for doctoral students with a music education concentration.

10. Information to be Placed on Syllabus.

a. Is the course 400G or 500?: No

b. The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if applicable, from **10.a** above) are attached: Yes

Distance Learning Form

Instructor Name: Michael Hudson

Instructor Email: michael.hudson@uky.edu

Internet/Web-based: No

Interactive Video: No

Hybrid: Yes

1. How does this course provide for timely and appropriate interaction between students and faculty and among students? Does the course syllabus conform to University Senate Syllabus Guidelines, specifically the Distance Learning Considerations? The instructor will communicate regularly with students using email, discussion board, Adobe Connect, blogs, and assignment feedback via blackboard.

2. How do you ensure that the experience for a DL student is comparable to that of a classroom-based student's experience? Aspects to explore: textbooks, course goals, assessment of student learning outcomes, etc. Students are given frequent assignments and are monitored continually towards mastering competencies.

3. How is the integrity of student work ensured? Please speak to aspects such as password-protected course portals, proctors for exams at interactive video sites; academic offense policy; etc. Online discussions are done in the Blackboard environment where registered students can access only with password. The instructor will foster a positive atmosphere and monitor all information uploaded by every student to ensure proper content.

4. Will offering this course via DL result in at least 25% or at least 50% (based on total credit hours required for completion) of a degree program being offered via any form of DL, as defined above? 25% This is one of three DL courses applicable to PhD in Music; or 9 hours out of 36 hours.

If yes, which percentage, and which program(s)? 25% This is one of three DL courses applicable to PhD in Music; or 9 hours out of 36 hours.

5. How are students taking the course via DL assured of equivalent access to student services, similar to that of a student taking the class in a traditional classroom setting? They can access all materials in the UK Libraries.

6. How do course requirements ensure that students make appropriate use of learning resources? Students can use all materials using the Internet. Software and tutorials available from the UKAT and the School of Music will be utilized as well.

7. Please explain specifically how access is provided to laboratories, facilities, and equipment appropriate to the course or program. The instructor will guide the students with using the software. Resources from the UKAT will be used as appropriate. Some hands-on sessions would be included in the Music Computer Lab.

8. How are students informed of procedures for resolving technical complaints? Does the syllabus list the entities available to offer technical help with the delivery and/or receipt of the course, such as the Information Technology Customer Service Center (<http://www.uky.edu/UKIT/>)? The course syllabus will include sources of technical help. They will be guided to explore the Blackboard wiki and other resources.

9. Will the course be delivered via services available through the Distance Learning Program (DLP) and the Academic Technology Group (ATL)? YES

If no, explain how student enrolled in DL courses are able to use the technology employed, as well as how students will be provided with assistance in using said technology. na

10. Does the syllabus contain all the required components? YES

11.I, the instructor of record, have read and understood all of the university-level statements regarding DL.

Instructor Name: Michael Hudson

SIGNATURE|JSC244|John W Scheib|MUS 648 NEW Dept Review|20141030

SIGNATURE|ABRZY2|Anna W Brzyski|MUS 648 NEW College Review|20141203

SIGNATURE|ZNNIKO0|Roshan N Nikou|MUS 648 NEW Graduate Council Review|20141222

SIGNATURE|JSC244|John W Scheib|MUS 648 NEW Dept Review|20141203

SIGNATURE|ABRZY2|Anna W Brzyski|MUS 648 NEW College Review|20141208

Courses | Request Tracking

New Course Form

https://myuk.uky.edu/sap/bc/soap/rfc?services=

Open in full window to print or save

Generate R

Attachments:

Browse...

Upload File

ID	Attachment
4183	MUS 648 music technology syllabus.pdf

First 1 Last

Select saved project to retrieve...

Get New

(*denotes required fields)

1. General Information

a. * Submitted by the College of: Submission Date:

b. * Department/Division:

c.

* Contact Person Name: Email: Phone:

* Responsible Faculty ID (if different from Contact): Email: Phone:

d. * Requested Effective Date: Semester following approval OR Specific Term/Year

e. Should this course be a UK Core Course? Yes No

If YES, check the areas that apply:

- Inquiry - Arts & Creativity
- Composition & Communications - II
- Inquiry - Humanities
- Quantitative Foundations
- Inquiry - Nat/Math/Phys Sci
- Statistical Inferential Reasoning
- Inquiry - Social Sciences
- U.S. Citizenship, Community, Diversity
- Composition & Communications - I
- Global Dynamics

2. Designation and Description of Proposed Course.

a. * Will this course also be offered through Distance Learning? Yes No

b. * Prefix and Number:

c. * Full Title:

d. Transcript Title (if full title is more than 40 characters):

e. To be Cross-Listed ² with (Prefix and Number):

f. * Courses must be described by at least one of the meeting patterns below. Include number of actual contact hours² for each meeting pattern type.

<input type="text" value="3"/> Lecture	<input type="text"/> Laboratory ¹	<input type="text"/> Recitation	<input type="text"/> Discussion
<input type="text"/> Indep. Study	<input type="text"/> Clinical	<input type="text"/> Colloquium	<input type="text"/> Practicum
<input type="text"/> Research	<input type="text"/> Residency	<input type="text"/> Seminar	<input type="text"/> Studio
<input type="text"/> Other	If Other, Please explain: <input type="text"/>		

g. * Identify a grading system:

- Letter (A, B, C, etc.)
- Pass/Fail
- Medicine Numeric Grade (Non-medical students will receive a letter grade)
- Graduate School Grade Scale

h. * Number of credits:

i. * Is this course repeatable for additional credit? Yes No

If YES: Maximum number of credit hours:

If YES: Will this course allow multiple registrations during the same semester? Yes No

j. * Course Description for Bulletin:

This course is directed toward developing advanced competencies in music technology common to the fields of music education and music therapy. Supervised projects will be a large component of this course and projects will be individualized based on students' educational track and career goals. All course instructional materials are conducted online but there are three face-to-face meetings during the second half of the course. Two of these meetings are individual conferences with the instructor, and one is for presentation of the project on Saturday morning of the last week of class schedule.

k. Prerequisites, if any:

Permission of Instructor.

l. Supplementary teaching component, if any: Community-Based Experience Service Learning Both3. * Will this course be taught off campus? Yes No

If YES, enter the off campus address: _____

4. Frequency of Course Offering.

a. * Course will be offered (check all that apply): Fall Spring Summer Winter

b. * Will the course be offered every year? Yes No

If No, explain: _____

5. * Are facilities and personnel necessary for the proposed new course available? Yes No

If No, explain: _____

6. * What enrollment (per section per semester) may reasonably be expected? 3-6

7. Anticipated Student Demand.

a. * Will this course serve students primarily within the degree program? Yes No

b. * Will it be of interest to a significant number of students outside the degree pgm? Yes No

If YES, explain: _____

8. * Check the category most applicable to this course:

- Traditional – Offered in Corresponding Departments at Universities Elsewhere
 Relatively New – Now Being Widely Established
 Not Yet Found in Many (or Any) Other Universities

9. Course Relationship to Program(s).

a. * Is this course part of a proposed new program? Yes No

If YES, name the proposed new program: _____

b. * Will this course be a new requirement ^s for ANY program? Yes No

If YES ^s, list affected programs::

This course is required for doctoral students with a music education concentration.

10. Information to be Placed on Syllabus.

a. * Is the course 400G or 500? Yes No

If YES, the *differentiation for undergraduate and graduate students must be included* in the information required in 10.b. You must include: (i) identification of add assignments by the graduate students; and/or (ii) establishment of different grading criteria in the course for graduate students. (See SR 3.1.4.)

b. * The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if applicable, from 10 attached.

Distance Learning Form

This form must accompany every submission of a new/change course form that requests distance learning delivery. This form may be required when changing a course already approved for DL fields are required!

Introduction/Definition: For the purposes of the Commission on Colleges Southern Association of Colleges and Schools accreditation review, *distance learning* is defined as a educational process in which the majority of the instruction (interaction between students and instructors and among students) in a course occurs when students and instructors are the same place. Instruction may be synchronous or asynchronous. A distance learning (DL) course may employ correspondence study, or audio, video, or computer technologies

A number of specific requirements are listed for DL courses. **The department proposing the change in delivery method is responsible for ensuring that the requirements are satisfied at the individual course level.** It is the responsibility of the instructor to have read and understood the university-level assurances regarding an equivalent experience for students utilizing DL (available at <http://www.uky.edu/USC/New/forms.htm>).

Course Number and Prefix:	MUS 648	Date:	10/27/2014
Instructor Name:	Michael Hudson	Instructor Email:	michael.hudson@uky.edu
Check the method below that best reflects how the majority of the course content will be delivered.			
Internet/Web-based <input type="checkbox"/> Interactive Video <input type="checkbox"/> Hybrid <input checked="" type="checkbox"/>			

Curriculum and Instruction

- How does this course provide for timely and appropriate interaction between students and faculty and among students? Does the course syllabus conform to University Syllabus Guidelines, specifically the Distance Learning Considerations?
The instructor will communicate regularly with students using email, discussion board, Adobe Connect, blogs, and assignment feedback via blackboard.
- How do you ensure that the experience for a DL student is comparable to that of a classroom-based student's experience? Aspects to explore: textbooks, course goals, or student learning outcomes, etc.
Students are given frequent assignments and are monitored continually towards mastering competencies.
- How is the integrity of student work ensured? Please speak to aspects such as password-protected course portals, proctors for exams at interactive video sites; academic policy; etc.
Online discussions are done in the Blackboard environment where registered students can access only with password. The instructor will foster a positive atmosphere and monitor all information uploaded by every student to ensure
- Will offering this course via DL result in at least 25% or at least 50%* (based on total credit hours required for completion) of a degree program being offered via any of as defined above?
25%
This is one of three DL courses applicable to PhD in Music; or 9 hours out of 36 hours.
Which percentage, and which program(s)?
25%
This is one of three DL courses applicable to PhD in Music; or 9 hours out of 36 hours.
*As a general rule, if approval of a course for DL delivery results in 50% or more of a program being delivered through DL, the effective date of the course's DL delivery months from the date of approval.
- How are students taking the course via DL assured of equivalent access to student services, similar to that of a student taking the class in a traditional classroom setting?
They can access all materials in the UK Libraries.

Library and Learning Resources

- How do course requirements ensure that students make appropriate use of learning resources?
Students can use all materials using the Internet. Software and tutorials available from the UKAT and the School of Music will be utilized as well.
- Please explain specifically how access is provided to laboratories, facilities, and equipment appropriate to the course or program.
The instructor will guide the students with using the software. Resources from the UKAT will be used as appropriate. Some hands-on sessions would be included in the Music Computer Lab.

Student Services

- How are students informed of procedures for resolving technical complaints? Does the syllabus list the entities available to offer technical help with the delivery and/or the course, such as the Information Technology Customer Service Center (<http://www.uky.edu/UKIT/>)?
The course syllabus will include sources of technical help. They will be guided to explore the Blackboard wiki and other resources.
- Will the course be delivered via services available through the Distance Learning Program (DLP) and the Academic Technology Group (ATL)?
 Yes
 No
If no, explain how students enrolled in DL courses are able to use the technology employed, as well as how students will be provided with assistance in using said technology.
na
- Does the syllabus contain all the required components, below? Yes
 - Instructor's *virtual* office hours, if any.
 - The technological requirements for the course.
 - Contact information for Distance Learning programs (<http://www.uky.edu/DistanceLearning>) and Information Technology Customer Service Center (<http://www.uky.edu/UKIT/Help/>; 859-218-HELP).
 - Procedure for resolving technical complaints.
 - Preferred method for reaching instructor, e.g. email, phone, text message.
 - Maximum timeframe for responding to student communications.
 - Language pertaining academic accommodations:

- "If you have a documented disability that requires academic accommodations in this course, please make your request to the University Disability Resource Center. The Center will require current disability documentation. When accommodations are approved, the Center will provide me with a Letter of Accommodation details the recommended accommodations. Contact the Disability Resource Center, Jake Karnes, Director at 859-257-2754 or jkarnes@email.uky.edu."
- Specific dates of face-to-face or synchronous class meetings, if any.
- Information on Distance Learning Library Services (<http://www.uky.edu/Libraries/DLIS>)
 - Carla Cantagallo, DL Librarian
 - Local phone number: 859 257-0500, ext. 2171; long-distance phone number: (800) 828-0439 (option #6)
 - Email: dllservice@email.uky.edu
 - DL Interlibrary Loan Service: http://www.uky.edu/Libraries/libpage.php?lweb_id=253&lhb_id=16

11. I, the instructor of record, have read and understood all of the university-level statements regarding DL.

Instructor Name:

Michael Hudson

Abbreviations: DLP = Distance Learning Programs ATG = Academic Technology Group Customer Service Center = 859-218-HELP (<http://www.uky.edu/UKIT/Help>)

Revised 8/09

¹¹¹ Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.

¹¹² The chair of the cross-listing department must sign off on the Signature Routing Log.

¹¹³ In general, undergraduate courses are developed on the principle that one semester hour of credit represents one hour of classroom meeting per week for a semester, exclusive of any laboratory meeting. Laboratory meeting, generally, represents at least two hours per week for a semester for one credit hour. (from SR 5.2.1)

¹¹⁴ You must also submit the Distance Learning Form in order for the proposed course to be considered for DL delivery.

¹¹⁵ In order to change a program, a program change form must also be submitted.

Rev 8/09

Submit as New Proposal Save Current Changes

MUS 648: Music Software Technology (3 credits)

Rationale

The use of technology has increased by leaps and bounds over the last twenty years. Music teachers must meet the mandate in using technology in music classrooms. Music technology is also widely used in music education and music therapy research. This course not only introduces age-appropriate music technology to music educators, but also provides students with experiences in using various software programs. Students will be guided to create music notation, compute statistical analysis, as well as acquire competency in applying this knowledge in teaching or research projects. Such skills are necessary for teaching.

MUS 648: Music Software Technology (3 credits)

Instructor: Michael Hudson	Day/Time: TR 11 am - noon
Location: FA105	Office: FA 122
Phone: 859-218-1476	Email: Michael.Hudson@uky.edu
Office Hours: By Appointment only	Blackboard site: www.elearning.uky.edu
Note: Calls/emails will generally be returned within 48 hours during the work week except in extenuating circumstances.	

Course Description: This course is directed toward developing advanced competencies in music technology common to the fields of music education and music therapy. Supervised projects will be a large component of this course and projects will be individualized based on students' educational track and career goals. All course instructional materials are conducted online but there are three face-to-face meetings during the second half of the course. Two of these meetings are individual conferences with the instructor, and one is for presentation of the project on Saturday morning of the last week of class schedule.

Course Objectives/Outcomes: By course end, students will demonstrate an understanding of advanced technology software programs in music education and music therapy research. Students will also demonstrate the ability to apply concepts covered in the course through supervised research projects.

Prerequisites: Permission by the instructor.

Required Materials: Brown, A. (2014). Music Technology and Education. New York: Routledge.

Assignment Overview: The following chart outlines course assignments and the points associated with each assignment. Points earned for each assignment will be totaled to determine the final grade in the course. (See Grading Policies for more information.)

Assignment	Requirements	Points Allotted
Learning Activities	Students will participate in eight learning activities as assigned. Assignments will include (but are not limited to) article reviews, statistical analyses, SPSS activities, word, excel, and Sibelius, etc.	32 (4 points each)
Individual Conferences	Students are required to attend a minimum of two individual conferences regarding their supervised research project.	30 (15 points each)
Supervised Research Project	Students will design, implement, and write-up one supervised music technology software project. The project may be a stand-alone study or a pilot for a larger study. Specific requirements will be individualized based on student and project needs.	38
Total		100

Assignment Submissions: Assignments are due by 5:00 pm on the date listed in the syllabus.

Grading Policies: Grading will be judged on competence, accuracy, timeliness, and scholarship. The following chart outlines the grading structure for this course:

Course Grade	Points
A	90 and up
B	80 to 89
C	70 to 79
E	69 and below
Incomplete (I)	Incompletes will be given at the discretion of the instructor for non-academic emergencies only

Attendance Policies: Attendance is expected at all class meetings except in the case of University approved excused absences. Acceptable absences include: serious illness, illness/death of a family member, university-related trips, major religious holidays and other circumstances deemed a reasonable cause for nonattendance by the professor. ("Other circumstances" must be approved in advance.) The professor reserves the right to ask for verification form found at <http://www.uky.edu/StudentAffairs/UHS/>.

Fieldwork attendance is mandatory. In case of illness, please follow guidelines provided by the specific facility/unit. Except in case of emergency, supervisors must be notified *in advance* of any fieldwork absence.

Students anticipating an absence for a major religious holiday are responsible for notifying the instructor in writing of anticipated absences due to their observance of such holidays no later than the last day in the semester to add a class. Information regarding dates of major religious holidays may be obtained through the religious liaison, Mr. Jake Karnes (859-257-2754).

Students are expected to withdraw from the class if more than 20% of the classes scheduled for the semester are missed (excused or unexcused) per university policy

Verification of Absences: Students may be asked to verify their absences in order for them to be considered excused. Senate Rule 5.2.4.2 states that faculty have the right to request "appropriate verification" when students claim an excused absence because of illness or death in the family. Appropriate notification of absences due to university-related trips is required prior to the absence.

Academic Accommodations: If you have a documented disability that requires academic accommodations, please set up an appointment with me as soon as possible. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754 or jkarnes@email.uky.edu) for coordination of campus disability services available to students with disabilities.

Academic Integrity, Cheating and Plagiarism: Per university policy, students shall not plagiarize, cheat, or falsify or misuse academic records. Students are expected to adhere to University policy on cheating and plagiarism in all courses. The minimum penalty for a first offense is a zero on the assignment on which the offense occurred. If the offense is considered severe or the student has other academic offenses on their record, more serious penalties, up to suspension from the university may be imposed.

Plagiarism and cheating are serious breaches of academic conduct. Each student is advised to become familiar with the various forms of academic dishonesty as explained in the Code of Student Rights and Responsibilities. Complete information can be found at the following website: <http://www.uky.edu/Ombud>. A plea of ignorance is not acceptable as a defense against the charge of academic dishonesty. It is important that you review this information as all ideas borrowed from others need to be properly credited. Please see Part II of Student Rights and Responsibilities available at <http://www.uky.edu/StudentAffairs/Code/part2.html> for more information.

Classroom Behavior, Decorum and Civility: Please respect the rights of others by minimizing distractions during class settings. Please turn cell phones off and limit side conversations and unrelated computer use.

Professional Preparation: Students are expected to demonstrate professionalism and ethical behavior in accordance with the:

American Music Therapy Association Code of Ethics: <http://www.musictherapy.org/about/ethics/>
Standards of Practice: <http://www.musictherapy.org/about/standards/>

Technical Help for Distance Learning Students

- Please email the instructor any time if you need help, response is usually given within 48 hours.
- Students must have access the proper technology to get on the Internet. Please visit to learn about these requirements:

Distance Learning programs (<http://www.uky.edu/DistanceLearning>) and Information Technology Customer Service Center (<http://www.uky.edu/UKIT/Help/>; 859-218-HELP).

- If you have any technical difficulties, please contact the about help desk, and email your instructor.
- Please email the instructor any time.
- Instructor usually responds within 48 hours.
- If you have a documented disability that requires academic accommodations in this course, please make your request to the University Disability Resource Center. The Center will require current disability documentation. When accommodations are approved, the Center will provide me with a Letter of Accommodation which details the recommended accommodations. Contact the Disability Resource Center, Jake Karnes, Director at 859-257-2754 or jkarnes@email.uky.edu.
- For specific dates of face-to-face or synchronous class meetings, see schedule below.
- Information on Distance Learning Library Services (<http://www.uky.edu/Libraries/DLLS>)
 - Carla Cantagallo, DL Librarian
 - Local phone number: 859 257-0500, ext. 2171; long-distance phone number: (800) 828-0439 (option #6)
 - Email: dllservice@email.uky.edu
 - DL Interlibrary Loan Service: http://www.uky.edu/Libraries/libpage.php?lweb_id=253&llib_id=16

MUS 648 Music Technology Schedule

Week	Module	Topic	Assignment
1	0	Introduction	
2	1	Musicians and technology	1
3	2	Technology in the music classroom	2
4	3	Technology for the music researcher	3
5	4	Internet resources	4
6	5	Digital audio software	5
7		Informal Project Proposal	6
8	6	Digital video software	7
9	7	Software for music notations	8
10	8	Designing instruction with technology	
*11		Formal Proposal	Conference #1
12		Individual Project	
*13		Conference #2	Conference #2
14		Continue Individual Project	
*15		Project Presentation Saturday Meeting on Campus	All requirements completed

***Note. Student should set up a face-to-face meeting with the instructor for Modules #11 and #13. The whole class meets on campus on Saturday of Module #15 to share presentations, 9 am - 12 noon. All other modules are conducted online.**

Additional Sources

Books:

- Bauer, W. I. (2014). *Music Learning Today: Digital Pedagogy for Creating, Performing, and Responding to Music*. Oxford University Press.
- Finney, J., & Burnard, P. (Eds.). (2010). *Music education with digital technology*. Bloomsbury Publishing.
- Holmes, T. (2012). *Electronic and experimental music: technology, music, and culture*. Routledge.
- Katz, M. (2010). *Capturing sound: how technology has changed music*. Univ of California Press.
- Taylor, T. D. (2014). *Strange sounds: Music, technology and culture*. Routledge.
- Rudolph, T. E. (Ed.). (2005). *Technology strategies for music education*. Hal Leonard Corporation.
- Rudolph, T. E., & Leonard, V. A. Jr. (2010). *Sibelius: Music Pro Guides, 2nd Ed*. Hal Leonard Corporation.
- Rudolph, T. E., & Leonard, V. A. Jr. (2012). *Finale: An Easy Guide to Music Notation, 3rd Ed*. Berklee Press.
- Warner, T. (2003). *Pop music: technology and creativity: Trevor Horn and the digital revolution*. Ashgate Publishing Ltd.
- Williams, D. B., & Webster, P. R. (2008). *Experiencing music technology: Update (3rd Ed)*. Cengage Learning.

Articles:

- Bauer, W. I., Reese, S., & McAllister, P. A. (2003). Transforming music teaching via technology: The role of professional development. *Journal of Research in Music Education, 51*(4), 289-301.
- Burnard, P. (2007). Reframing creativity and technology: promoting pedagogic change in music education. *Journal of Music, Technology & Education, 1*(1), 37-55.
- Cain, T. (2004). Theory, technology and the music curriculum. *British Journal of Music Education, 21*(02), 215-221.
- Gaye, L., Holmquist, L. E., Behrendt, F., & Tanaka, A. (2006, June). Mobile music technology: Report on an emerging community. In *Proceedings of the 2006 conference on New interfaces for musical expression* (pp. 22-25). IRCAM—Centre Pompidou.
- Good, M. (2001, December). MusicXML: An internet-friendly format for sheet music. In *XML Conference and Expo* (pp. 3-4).
- Ho, W. C. (2004). Use of information technology and music learning in the search for quality education. *British Journal of Educational Technology, 35*(1), 57-67.
- Kiefer, C., Collins, N., & Fitzpatrick, G. (2009). Phalanger: Controlling music software with hand movement using a computer vision and machine learning approach.
- Lyon, E. (2002). Dartmouth symposium on the future of computer music software: A panel discussion. *Computer Music Journal, 26*(4), 13-30.
- Peters, G. D. (2009). Music Software and Young Children: Fun and Focused Instruction. *General Music Today, 22*(2), 37-39.
- Webster, P. R. (2007). Computer-based technology and music teaching and learning: 2000–2005. In *International handbook of research in arts education* (pp. 1311-1330). Springer Netherlands.