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<https://portal.upf.edu/en/web/usquid-etic/inici>

**Evaluación de la Docencia del Máster:
Sound and Music Computing
2019-2020 Academic Course**

Noviembre, 2020

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1. Introducción

Tal y como se hizo en cursos precedente, el Equipo de Innovación (antes USQUID) de la UCA EiTIC, ha llevado a cabo un estudio centrado en la satisfacción discente de los programas de máster del Departamento. En este documento en concreto se recogen los resultados obtenidos en el marco del Máster *Sound and Music Computing* en el curso 2019-2020.

Para llevar a cabo el estudio se diseñó un instrumento específico que fue aplicado en formato virtual (mediante un formulario de Google) alcanzando la participación de 8 estudiantes del Máster *Sound and Music Computing* que suponen el 27,6% sobre un total de 29 estudiantes que se matriculó y presentó la tesis al final del curso 2019-2020.

Apuntar que, como en el resto de programas formativos, el desarrollo del *MIS* se vio afectado por la pandemia mundial del COVID-19, teniendo que pasar formato online tanto parte de la docencia como las presentaciones de las tesis de máster. Este hecho ha de tenerse presente a la hora de analizar los datos recogidos.

Siguen adjuntos a continuación tanto el cuestionario usado como los resultados y conclusiones extraídas a partir del estudio.

2. Presentación del Instrumento

A continuación, el instrumento utilizado para la recopilación de datos e informaciones relacionadas con la satisfacción de la docencia del *Máster Sound and Music Computing*. Recordamos que este formulario fue aplicado de manera virtual y se garantizó el anonimato.

Dear Students,

In order to collect your feedback to improve courses and teaching practices we ask you to fill the questionnaire below. It's anonymous.

We really thank you in advance

Please, mark your level of agreement with each affirmation using the scale 1 to 5, being 1 totally disagree with and 5 fully agree with *

	1 (totally disagree)	2 (somewhat disagree)	3 (neither agree or disagree)	4 (somewhat agree)	5 (fully agree)
I think that, in general, the courses were useful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I think that, in general, the courses were well prepared/presented	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I think that, in general, the practices/labs, seminars and other educational activities help me to understand the theory worked in lectures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general, I think the master was well coordinated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

I think that, in general, the academic resources provided during the course (material, labs, equipment) were suitable to support my learning process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I think that, in general, the educational resources by UPF (Library, Aula Global System, etc.) were suitable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general, I am satisfied with the tutorship advice received before the master started (e.g. in choosing elective courses)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general, I am satisfied with the tutorship advice and the support by the master coordinator	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general, I am satisfied with the support and attention of the secretariat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general, I am satisfied with the supervision on my master thesis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please, add here any comment about positive aspects and recommendations for the improvement of the items collected in the previous grid *

La vostra risposta

What did you like the most and the least about the master? *

La vostra risposta

Which are your professional perspectives/intentions after finishing the master? (Do another master, continue your academic career with the PhD, work in a company, you don't know...). Please, explain us your answer. *

La vostra risposta

3. Resultados obtenidos

En esta sección se presentan los resultados obtenidos a través de la aplicación del instrumento. Tal y como se apuntó anteriormente, se consiguió la participación del 27,6% del total de matriculados al máster SMC.

Para la presentación de los resultados se seguirá el mismo orden de preguntas del propio formulario, empezando por una tabla resumen de todos los ítems recogidos en la parrilla. A estos, los acompaña tanto la valoración promedio, como el valor de la respectiva desviación estándar y la moda para cada pregunta en concreto. Después se mostrará un gráfico de barras con la distribución de respuestas de cada ítem y su valoración. Finalmente, los comentarios cualitativos recogidos. Tanto los ítems como los comentarios globales se presentarán en inglés para ser lo más fiel posible a los datos e informaciones recopilados.

Todos los ítems fueron presentados en forma de afirmación, solicitando al estudiantado que indicara su grado de acuerdo utilizando la escala de 1 a 5, siendo 1 en total desacuerdo y 5 en total acuerdo. En la tabla que sigue se muestran los resultados del año académico correspondientes al curso de 2019-2020.

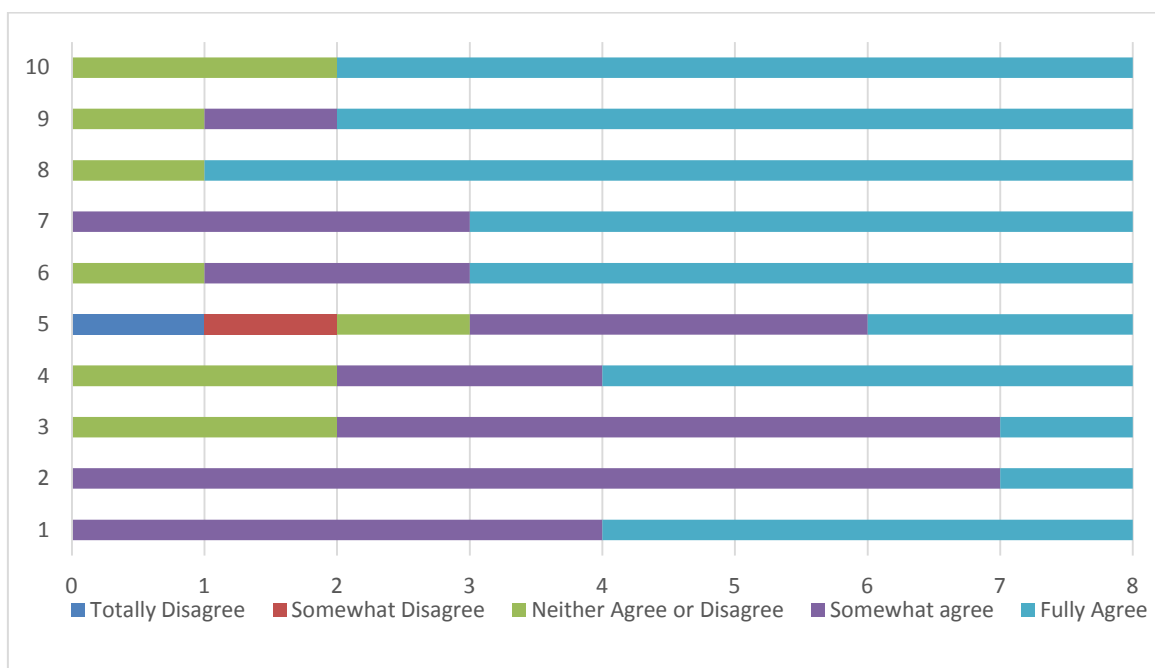
	Curso 2019-2020		
	Valoración promedio	Desviación Estándar	Moda
1. I think that, in general, the courses were useful	4,50	0,53	5
2. I think that, in general, the courses were well prepared/presented	4,13	0,35	4
3. I think that, in general, the practices/labs, seminars and other educational activities help me to understand the theory worked in lectures	3,88	0,64	4
4. In general, I think the master was well coordinated	4,25	0,89	5
5. I think that, in general, the academic resources provided during the course (material, labs, equipment) were suitable to support my learning process	3,50	1,41	4
6. I think that, in general, the educational resources by UPF (Library, Aula Global System, etc.) were suitable	4,50	0,76	5
7. In general, I am satisfied with the tutorship advice received before the master started (e.g. in choosing elective courses)	4,63	0,52	5
8. In general, I am satisfied with the tutorship advice and the support by the master coordinator	4,75	0,71	5
9. In general, I am satisfied with the support and attention of the secretariat	4,63	0,74	5
10. In general, I am satisfied with the supervision on my master thesis	4,50	0,93	5

Como se observa en la tabla, las valoraciones promedio de satisfacción oscilan entre el 3,50 y el 4,75 sobre un máximo de 5, lo que nos muestra un grado de satisfacción muy positivo acerca del máster por parte del alumnado. Otra observación interesante a

realizar, es que la desviación se mantiene en valores bajo en prácticamente la totalidad de ítems, indicando así robustez y homogeneidad de las respuestas ofrecidas por los estudiantes. En cuanto a la moda, en la mayoría de ítems ésta se concentra en el 5/5 y presentando el resto de preguntas una moda de 4. Por lo tanto, estos resultados indican un elevado grado de satisfacción del alumnado.

En el gráfico que sigue, y tal y como se había plasmado al inicio de la sección de resultados, se muestra la distribución de las valoraciones realizadas por el estudiantado en función de su grado de acuerdo con los 10 ítems incluidos. En el eje x se recogen los casos (8 estudiantes), mientras que en el eje y se recogen los números correspondientes a cada uno de los ítems propuestos en el instrumento:

1. I think that, in general, the courses were useful
2. I think that, in general, the courses were well prepared/presented
3. I think that, in general, the practices/labs, seminars and other educational activities help me to understand the theory worked in lectures
4. In general, I think the master was well coordinated
5. I think that, in general, the academic resources provided during the course (material, labs, equipment) were suitable to support my learning process
6. I think that, in general, the educational resources by UPF (Library, Aula Global System, etc.) were suitable
7. In general, I am satisfied with the tutorship advice received before the master started (e.g. in choosing elective courses)
8. In general, I am satisfied with the tutorship advice and the support by the master coordinator
9. In general, I am satisfied with the support and attention of the secretariat
10. In general, I am satisfied with the supervision on my master thesis



Una vez presentados los datos cuantificados mediante la escala Likert, se muestran a continuación los comentarios cualitativos con respecto a otros elementos más globales del máster (el detalle en la cabecera de cada tabla).

La pregunta de carácter cualitativo permitía recoger tanto comentarios como recomendaciones relacionados con los ítems valorados previamente mediante el uso de la escala Likert, obteniendo así una evaluación más global de cada uno de los aspectos recogidos. En esta primera tabla adjunta, se puede encontrar distintos comentarios de los estudiantes para la mejora del máster y de la experiencia del alumnado.

Please, add here any comment about positive aspects and recommendations for the improvement of the items collected in the previous grid
1. Students would benefit from GPU servers. It is difficult to do valuable deep learning research without them.
2. Our courses basically covered all areas we are bid to learn. Although I think they should be further coordinated. For example, during the second term, all the final projects jammed altogether.
3. I have no doubt that in the program we could learn the subjects for which we decided to study here, and with the highest academic level. But I feel that the pedagogical strategies can be much better, I feel that many of the teachers are exceptional researchers, but they do not have much pedagogical experience.
4. The timing of all the assignments at the end was a little bit stressful, perhaps these could have been more spread out over the year as I felt the workload was very minimal at the beginning.
5. Some core courses were very useful, while some were less useful. There could be work to increase the value from all course as a whole to strengthen the master overall.
6. Maybe adding more music-related topics of research would be appreciated by some students in the future.
7. I think a great improvement would be adding more relevant practical work to the “Advanced topics in SMC” course and perhaps some practice with building appropriate networks by ourselves. Also, more practical experience in the recording studio, particularly for the “Recording and mixing” course (maybe it’s better for the normal course, without the coronavirus situation). Also, there were too many deadlines at the same time at the end of the second trimester. The UPF website has a few sections that are not in English and also some resources are difficult to access, for example getting access to conference papers or books from out of campus.
8. It is a very well coordinates and really interesting master where it is possible to learn a lot. People working on it and collaborators are always available to help and give information when needed. professor.

A continuación, se muestran los comentarios cualitativos obtenidos en el cuestionario, concretamente se les pedía que indicaran qué era lo más positivo y lo más negativo del máster. Se recogen un total de 8 respuestas registradas.

What did you like the most and the least about the master?
1. The most: The teachers. The least: The lack of computing resources.
2. The most: I like about this master program is his close relationship with music. We study what we are truly interested in. The least: If there was something I dislike, it would be that due to the Covid-19, we couldn't take the course onsite during the last term.
3. The most: Being in contact with the best of music research in the world. The least: What I liked the least was the price of tuition for students outside the European Union.
4. The most: The encouragement to actively participate in conferences and academic support! The least: The audio recording and mixing course could be more focused on mixing. I do not really feel this was considered much at all although this could be to do with the online nature of the course due to COVID.
5. The most: I really grasped the idea of how to do research formally. I believe that it was really useful. Also, some professors were particularly inspirational for me with their broad range of knowledge and references. The least: I didn't like the special focus on sound and not music. Of course, I was prepared for it by

the syllabus, but in general, I was expecting a little bit more ""musicality"
6. The most: I liked that the courses complemented quite well the advances I was supposed to make with my thesis and therefore they really helped. The least: I didn't like that a few technical terms, especially related to electronics, physics or sound processing software tools, were assumed to be known and I was a bit confused with some of them.
7. The most: like that it is a really updated master, with people working directly on the field. The least: I like is the fact that in some courses was not clear at the beginning what to do.
8. The most: That the courses complemented quite well the advances I was supposed to make with my thesis and therefore they really helped. The least: I didn't like that a few technical terms, especially related to electronics, physics or sound processing software tools, were assumed to be known and I was a bit confused with some of them.

Por último, se les pedía a los participantes en la evaluación que indicaran cuales era sus perspectivas profesionales. En las 8 respuestas registradas se observa una clara voluntad generalizada de hacer PhD con 6 sobre un total de 8 mencionando la voluntad de hacer PhD en algún momento, tanto justo después del máster como a largo plazo. Por otro lado, el trabajar directamente también es una opción bastante común, siendo mencionado en 5 de las 8 respuestas.

Which are your professional perspectives/intentions after finishing the master? (Do another master, continue your academic career with the PhD, work in a company, you don't know...). Please, explain us your answer.
1. A PhD , because it is hard to find a job without it with this kind of master.
2. I think I would work in a company , in order to accumulate more hands-on experience and hone the skills we learn from the master.
3. I would like to work as teacher of signal processing for music applications at a university.
4. I have been accepted for a PhD at Centre Marc Bloch in Berlin.
5. Continuing with a PhD and eventually aiming to work in industry as a research scientist.
6. I would like to work as a freelancer in music and/or creative technology, while also thinking about doing an MFA but not sure yet. I have more artistic ambitions in general.
7. For now, I plan to go into industry (programming) in my home country, either music and sound related or just machine learning. I consider doing a PhD at some point in the future when I will have more practical experience and I will also like to go deeper into the music industry by singing or dj-ing.
8. Working and PhD

Conclusiones

Tal y como se puede extraer del informe, el estudiantado que ha participado en la evaluación 2019-2020 muestra un grado de satisfacción positivo respecto al máster. Pese a la anómala situación del Covid19, los datos recogidos y analizados este último año académico siguen siendo satisfactorios. También se han detectado elementos para la reflexión que serán analizados por la coordinación del máster para considerar posibles acciones de mejora, aunque, globalmente, las valoraciones y la moda de los elementos considerados en la evaluación son satisfactorios.

Animamos a la coordinación del máster a que envíe este informe al profesorado involucrado para reflexionar conjuntamente sobre los resultados obtenidos. En caso de que se requiera, el Equipo de Innovación de la UCA EiTIC podría dar apoyo en el diseño, ejecución y evaluación de cualquiera de las mejoras que pudieran plantearse y así lo requieran.