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**Evaluación de la Docencia del Máster:  
Intelligent Interactive Systems  
2017-2018 Academic Course**

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**Octubre, 2018**

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# 1. Introducción

A raíz de la construcción de la Unidad de Coordinación Académica de Ingenierías y TIC (UCA EiTIC), la Unidad de Apoyo a la Calidad y la Innovación Docente (USQUID) del centro inició el curso 2016-2017 una serie de estudios centrados 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 *Master in Intelligent Interactive Systems* (UPF) en el curso 2017-2018 así como algunas comparativas con los resultados obtenidos el curso anterior (2016-2017).

El cuestionario diseñado con este fin fue enviado al estudiantado y recogido de manera anónima una vez presentada la tesis de máster. El índice de respuesta es del 72,2% (el curso pasado la participación fue del 63%).

Siguen tanto el cuestionario 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 Intelligent Interactive Systems.

Recordamos que este formulario fue aplicado en papel 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

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

La vostra risposta

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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

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### 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 de 13 estudiantes que suponen un 72% del total de matriculados al MIIS que presentó y defendió su TFM en el curso 2017-2018 (18 en total).

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 los que les acompaña tanto la valoración promedio, como el valor de la respectiva desviación estándar y moda. 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.

	Curso 2016-2017			Curso 2017-2018		
	Valoración promedio	Desviación Estándar	Moda	Valoración promedio	Desviación Estándar	Moda
1. I think that, in general, the courses were useful	3,33	1,30	4	4,31	0,63	4
2. I think that, in general, the courses were well prepared/presented	3	1,13	4	4,08	0,64	4
3. I think that, in general, the practices/labs, seminars and other educational activities help me to understand the theory worked in lectures	3,75	1,22	4	4,08	0,76	4
4. In general, I think the master was well coordinated	2,83	1,27	3	3,85	0,89	4
5. I think that, in general, the academic resources provided during the course (material, labs, equipment) were suitable to support my learning process	3,33	1,15	3	4,31	0,63	4
6. I think that, in general, the educational resources by UPF (Library, Aula Global System, etc.) were suitable	3,83	1,11	4	4,54	0,66	5
7. In general, I am satisfied with the tutorship advice received before the master started (e.g. in choosing elective courses)	2,92	1,16	3	4,45	0,68	5
8. In general, I am satisfied with the tutorship advice and the support by the master coordinator	3,67	1,23	4	4,75	0,45	5
9. In general, I am satisfied with the support and attention of the secretariat	3,67	1,44	4	4,58	0,51	5
10. In general, I am satisfied with the supervision on my master thesis	4	1,54	5	4,75	0,45	5

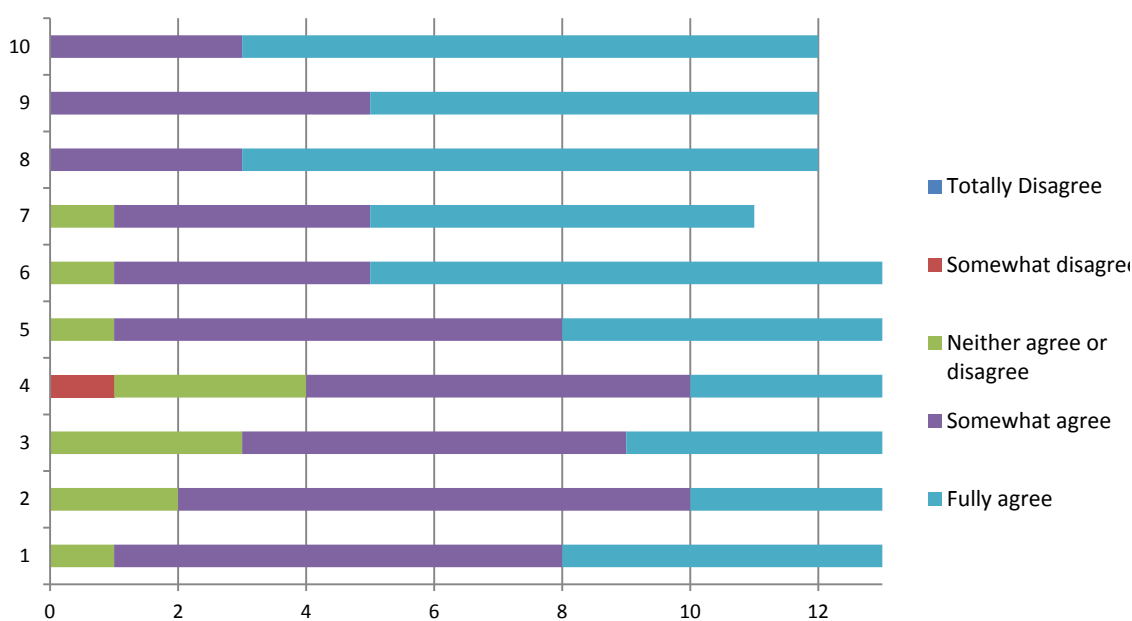
Como se observa en la tabla anterior, las valoraciones promedio de satisfacción oscilan entre el **3,85 i el 4,75/5**, siendo estas superiores a las alcanzadas en la misma evaluación del curso 2016-2017, donde los valores se concentraban entre el 2,83 y el 4/5.

Así mismo se observa que, en todos los casos, los valores en términos de satisfacción de este curso 2017-2018 han sido superiores a los obtenidos el curso anterior, y se han obtenido desviaciones típicas notablemente por debajo de las recogidas el curso anterior, lo que plasma un mayor nivel de homogeneidad en las respuestas y por tanto una mayor robustez y acuerdo con las valoraciones promedio.

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 los casos (13 estudiantes) y en el eje y los números que corresponden 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 en referencia a los 10 ítems considerados en el instrumento, se proceden a presentar los comentarios cualitativos que acompañaban cada una de las valoraciones:

**I think that, in general, the courses were useful**

- Maybe the undergrad courses group different student profiles and the student of MSc can't know that.
- In my opinion, exams are not the best way to evaluate, I learned much more with labs and full-term projects- theory is important but hands-on the material makes it more useful.

**I think that, in general, the courses were well prepared/presented**

- Some courses (resources are from Internet) are not, but the majority are.
- They were all prepared. Data driven was one the most interesting and useful ones. Good teachers and very hands-on the material.

**I think that, in general, the practices/labs, seminars and other educational activities help me to understand the theory worked in lectures**

- This is the greatest thing about the master, if you are serious about that.
- Missed more practices/labs during the term in Natural Language. With some work in between, the final project would've been easier to understand, and therefore, much better and improved.
- Not many labs/practices.

**In general, I think the master was well coordinated**

- Second term's last three weeks were hell. Too much work and exams from previous terms subjects. I know it was an unexpected incident but too frustrating though.

**I think that, in general, the academic resources provided during the course (material, labs, equipment) were suitable to support my learning process**

- Some are from Internet.
- UPF is very nice university compared with other Catalan universities.
- Labs/ equipment? We didn't get any.

**I think that, in general, the educational resources by UPF (Library, Aula Global System, etc.) were suitable**

- The schedule was weird to follow. Sometimes I found different information for the same in different URLs.
- Aules d'estudi saved my life! And the third floor room for graduated students is so good to work in.

**In general, I am satisfied with the tutorship advice received before the master started (e.g. in choosing elective courses)**

- Some of my elections weren't what I expected. Anyway, we managed to change them so at the end it worked well, and I assisted to all the courses I wanted.

**In general, I am satisfied with the tutorship advice and the support by the master coordinator**

- 100% useful help
- The coordinator was wonderful. Attentive and very dedicated to our well-being. This is one of the aspects I think that couldn't be better. The coordinator is a 10 in my opinion.

**In general, I am satisfied with the support and attention of the secretariat**

- 100% useful help
- Very satisfied, and trust me, I can compare it with other universities where they never answer your emails.

**In general, I am satisfied with the supervision on my master thesis**

- 100% useful help
- I am glad to have worked with him. You can learn so much from him and he's demanding in a way that pushes you to improve in your work.

En la segunda pregunta abierta se les pedía que indicaran qué era lo que más les había gustado del máster y lo que menos les había gustado. No todos los formularios incluían registros sobre esta cuestión, ni todos quienes respondieron indicaron ambos aspectos. Seguidamente el registro de los 9 estudiantes que sí dieron respuesta a este ítem:

<b>What did you like the most and the least about the master?</b>
The most: practical work, flexibility to solve problems The least: courses with resources from internet
The most: the master thesis The least: bachelor's subjects were too superficial
The most: the topics we treated, the teachers and the rooms. The attention you receive from teachers, because they answered your emails in a short time. The least: sometimes I wanted to do more practical job instead of theoretical
There were some courses that were amazing and others that were (or seemed) not relevant or badly connected with classes that didn't have to do with anything of the previous class.
The most: the interdisciplinary nature of the master
The most: the content. Diversity in the essential fields of AI and its techniques on the state of art. The least: the short time between classes or practices and exams
The most: it fulfilled my expectations on the subjects and the stuff we were supposed to learn. The least: too fast! Guess that having more experience on the field would have been advisable. Not a MS for recent graduates (perhaps?)
The most: the master provides information up-to-date and very helpful in understanding the subject. The provided materials are of high quality and based on relevant work/research.
The most: the master thesis The least: the schedule

Por último se les pedía a los participantes en la evaluación que indicaran cuales era sus perspectivas profesionales. Seguidamente las 10 respuestas recogidas:

<b>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.</b>
Pending of <b>PhD</b> admission, but I also have some laboral alternatives
I will continue <b>research</b> on my own. Moreover, I will be working in IQUIA (medical data analysis)
If there is an opportunity in my interest subject, I would like to continue the <b>PhD</b>
<b>I don't know it yet.</b> Everyone wants to make money in a company (that's the truth about investigation here in Spain), but sometimes I felt that If I reached this point in my academic journey, I should contribute more to the society with research and investigation in a PhD. It's about the feeling that what you've done so far is so worthy to just work for money. I would have liked some kind of guidance/tutorship in this master, so I could have already a decision about it. I barely know clearly is that I want to keep on learning, whether if it's a PhD of if it's on my own. Anyway, I wasn't ever sure about if I made the right the decision with my bachelor's degree, but I'm absolutely sure I did it by joining this master.
For now I plan on keep <b>working</b> in my current job (related to NLP) but I would like, at some point, to do a <b>PhD</b> , but not in Spain.
I will continue my academic careers with a <b>PhD</b> .
For the moment I'm searching a <b>job in a company</b> , but I don't discard to do an <b>industrial PhD</b> in the future.
Work in a <b>company</b> with perspectives towards pursuing a <b>PhD</b>
In the near futures I'd like to continue my academic careers with the <b>PhD</b> . Otherwise work in a <b>company</b> that matches my goals could be a possible option.
Work in a <b>company</b>

## **Conclusiones**

Tal y como se puede extraer del informe, el estudiantado que ha participado en la evaluación muestra un grado de satisfacción globalmente muy positivo así como una mejora significativa respecto los datos recogidos el curso pasado.

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, la USQUID de la ESUP-DTIC podría dar apoyo en el diseño, ejecución y evaluación de cualquiera de las mejoras que pudieran plantearse y así lo requieran.