

Master in Artificial Intelligence

Máster en Inteligencia Artificial (MIA)

Pedro Cabalar

University of A Coruña, SPAIN

2022-2023



UNIVERSIDADE DA CORUÑA



Universidade de Vigo

Course Syllabus

- Master information at estudios.udc.es:

<https://estudios.udc.es/en/study/start/4544V01>

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- Master structure

Master in Artificial Intelligence - quadrimester distribution

Q1		Q2		Q3
Reasoning and Planning		Deep Learning		Work Placement
Natural Language Understanding		Q2-1	Q2-2	Computational Asp. of Cog. Science
Machine Learning I		Trustable & Explainable AI	Computer Vision II	Text Mining
Q1-1	Q1-2	AI Project Management	Intelligent Robotics II	AI in Big Data Env.
AI Fundamentals	Computer Vision I	Machine Learning II	Language Modelling	Intelligent IoT
Data Engineering	Intelligent Robotics I	Multi-Agent Systems	Web Int. & Semantic Tech.	Int. Cybersecurity
		KR with Uncertainty	Process Mining	Emergent and Entrepreneurial AI
		Evolutionary Computation	Int. Real Time Systems	AI in Health
				MSc Dissertation (12 ECTS)

	Mandatory course, 6 ECTS
	Mandatory course, 3 ECTS
	Optional course, 6 ECTS
	optional course, 3 ECTS

Schedule (2002-2023). First Quadrimester

Q1-1	Mon	Tue	Wed	Thu	Fri
16:00	DE	AIF.c	DE.x	NLU.s	
17:30	RP	ML1.x	NLU	AIF	
19:00	RP.x	ML1	NLU.c.o	AIF.s.o	
Q1-2	Mon	Tue	Wed	Thu	Fri
16:00		CV1	CV1.x	NLU.s	
17:30	RP	ML1.x	NLU	IR1	
19:00	RP.x	ML1	NLU.c.o	IR1.x	

RP	Reasoning & Planning
ML1	Machine Learning I
NLU	Natural Language Understanding
AIF	AI Fundamentals
DE	Data Engineering
IR1	Intelligent Robotics I
CV1	Computer Vision 1

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Q1-1	Mon	Tue	Wed	Thu	Fri
16:00	DE	AIF.c	DE.x	NLU.s	
17:30	RP	ML1.x	NLU	AIF	
19:00	RP.x	ML1	NLU.c.o	AIF.s.o	
Q1-2	Mon	Tue	Wed	Thu	Fri
16:00		CV1	CV1.x	NLU.s	
17:30	RP	ML1.x	NLU	IR1	
19:00	RP.x	ML1	NLU.c.o	IR1.x	

RP	Reasoning & Planning
ML1	Machine Learning I
NLU	Natural Language Understanding
AIF	AI Fundamentals
DE	Data Engineering
IR1	Intelligent Robotics I
CV1	Computer Vision 1

Rooms

- A Coruña: Facultad de Informática. Room 3.5
- Santiago: Emprendia Building (Campus Sur), Room IA.02
- Ourense: Monday Room SO3 + Tuesday-Thursday SO5

Schedule (2002-2023). First Quadrimester

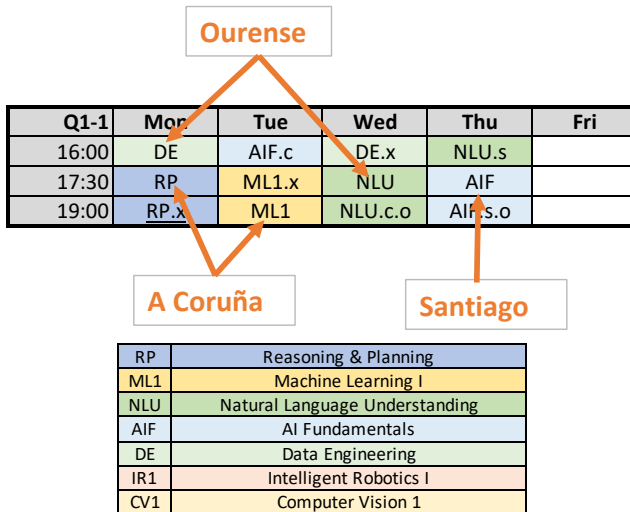
Q1-1	Mon	Tue	Wed	Thu	Fri
16:00	DE	AIF.c	DE.x	NLU.s	
17:30	RP	ML1.x	NLU	AIF	
19:00	RP.x	ML1	NLU.c.o	AIF.s.o	
Q1-2	Mon	Tue	Wed	Thu	Fri
16:00		CV1	CV1.x	NLU.s	
17:30	RP	ML1.x	NLU	IR1	
19:00	RP.x	ML1	NLU.c.o	IR1.x	

RP	Reasoning & Planning
ML1	Machine Learning I
NLU	Natural Language Understanding
AIF	AI Fundamentals
DE	Data Engineering
IR1	Intelligent Robotics I
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- Virtual: Microsoft Teams, Room John McCarthy

First week



Schedule (2002-2023). Second Quadrimester

	Mon		Tue		Wed		Thu		Fri	
Q2-1	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
16:00	DL		EC		EC.r		DL.x		MAS	
17:30	AIPM		TXAI		MAS		ML2	KRU	MAS.r	
19:00	AIPM.x		TXAI.x		MAS.r		ML2.x	KRU.r		
Q2-2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
16:00	DL		IRTS		IRTS.r		DL.x			CV2
17:30	IR2	PM	IR2	LM	WIST	CV2	WIST			CV2.r
19:00	IR2.r	PM.r	IR2.r	LM.x	WIST.r	CV2.r	WIST.r			

AIPM	AI Project Management
TXAI	Trustworthy & Explainable AI
DL	Deep Learning
MAS	Multi-agent Systems
KRU	Knowledge & Reasoning under Uncertainty
EC	Evolutionary Computation
ML2	Machine Learning II

LM	Language Modelling
WIST	Web Intelligence & Semantic Technologies
PM	Process Mining
CV2	Computer Vision II
IR2	Intelligent Robotics II
IRTS	Intelligent Real Time Systems

Rooms T.B.A.

Calendar and exams

BIMESTER B1 = SEPTEMBER - OCTOBER

		SEPTEMBER			
Week	Month	Mon	Tue	Wed	Thu
	SEP	5	6	7	8
W1	SEP	12	13	14	15
		DE	AIF.c	DE.x	NLU.s
		RP	ML1.x	NLU	AIF
		RP.x	ML1	NLU.c.o	AIF.s.o
W2	SEP	19	20	21	22
		DE	AIF.c	DE.x	NLU.s
		RP	ML1.x	NLU	AIF
		RP.x	ML1	NLU.c.o	AIF.s.o
W3	SEP	26	27	28	29
		DE	AIF.c	DE.x	NLU.s
		RP	ML1.x	NLU	AIF
		RP.x	ML1	NLU.c.o	AIF.s.o

OCTOBER

Week	Month	Mon	Tue	Wed	Thu	Fri
W4	OCT	3	4	5	6	
		DE	AIF.c	DE.x	NLU.s	
		RP	ML1.x	NLU	AIF	
		RP.x	ML1	NLU.c.o	AIF.s.o	
W5	OCT	10	11	12	13	14=Wed
		DE	AIF.c		NLU.s	DE.x
		RP	ML1.x		AIF	NLU
		RP.x	ML1		AIF.s.o	NLU.c.o
W6	OCT	17	18	19	20	
		DE	AIF.c	DE.x	NLU.s	
		RP	ML1.x	NLU	AIF	
		RP.x	ML1	NLU.c.o	AIF.s.o	
W7	OCT	24	25	26	27	
		DE	AIF.c	DE.x	NLU.s	
		RP	ML1.x	NLU	AIF	
		RP.x	ML1	NLU.c.o	AIF.s.o	

BIMESTER B2 = NOVEMBER - DECEMBER

Week	Month	NOVEMBER				
		Mon	Tue	Wed	Thu	Fri
W1	OCT	31	1	2	3	4=Tue
				CV1.x	NLU.s	CV1
		RP		NLU	IR1	ML1.x
		RP.x		NLU.c.o	IR1.x	ML1
W2	NOV	7	8	9	10	
			CV1	CV1.x	NLU.s	
		RP	ML1.x	NLU	IR1	
		RP.x	ML1	NLU.c.o	IR1.x	
W3	NOV	14	15	16	17	
			CV1	CV1.x	NLU.s	
		RP	ML1.x	NLU	IR1	
		RP.x	ML1	NLU.c.o	IR1.x	
W4	NOV	21	22	23	24	
			CV1	CV1.x	NLU.s	
		RP	ML1.x	NLU	IR1	
		RP.x	ML1	NLU.c.o	IR1.x	
W5	NOV	28	29	30	1	
			CV1	CV1.x	NLU.s	
		RP	ML1.x	NLU	IR1	
		RP.x	ML1	NLU.c.o	IR1.x	

Week	Month	DECEMBER				Fri
		Mon	Tue	Wed	Thu	
	DEC	5	6	7	8	
W6	DEC	12	13	14	15	
			CV1	CV1.x	NLU.s	
		RP	ML1.x	NLU	IR1	
		RP.x	ML1	NLU.c.o	IR1.x	
W7	DEC	19	20	21	22	
			CV1	CV1.x	NLU.s	
		RP	ML1.x	NLU	IR1	
		RP.x	ML1	NLU.c.o	IR1.x	

BIMESTER B3 = JANUARY - MARCH

JANUARY - FEBRUARY

Week	Mon	Tue	Wed	Thu	Fri
W1 JAN	23	24	25	26	27
	DL	EC	EC.r	DL.x	
	AIPM	TXAI	MAS	ML2	KRU
	AIPM.x	TXAI.x	MAS.r	ML2.x	KRU.r
W2 JAN	30	31	1	2	3
	DL	EC	EC.r	DL.x	MAS
	AIPM	TXAI	MAS	ML2	KRU
	AIPM.x	TXAI.x	MAS.r	ML2.x	KRU.r
W3 FEB	6	7	8	9	10
	DL	EC	EC.r	DL.x	MAS
	AIPM	TXAI	MAS	ML2	KRU
	AIPM.x	TXAI.x	MAS.r	ML2.x	KRU.r
W4 FEB	13	14	15	16	17
	DL	EC	EC.r	DL.x	MAS
	AIPM	TXAI	MAS	ML2	KRU
	AIPM.x	TXAI.x	MAS.r	ML2.x	KRU.r
W5 FEB	20	21	22	23	24
			EC.r	DL.x	MAS
			MAS	ML2	KRU
			MAS.r	ML2.x	KRU.r

MARCH

Week	Mon	Tue	Wed	Thu	Fri
W6 FEB	27	28	1	2	3
	DL	EC	EC.r	DL.x	MAS
	AIPM	TXAI	MAS	ML2	KRU
	AIPM.x	TXAI.x	MAS.r	ML2.x	KRU.r
W7 MAR	6	7	8	9	10
	DL	EC	EC.r	DL.x	MAS
	AIPM	TXAI	MAS	ML2	KRU
	AIPM.x	TXAI.x	MAS.r	ML2.x	KRU.r
W8 MAR	13	14	15		
	DL	EC			
	AIPM	TXAI	MAS		
	AIPM.x	TXAI.x	MAS.r		

BIMESTER B4 = MARCH - MAY

Week Month
W1 MAR

Thu	Fri
16=Fri	17
CV2	
CV2.r	

Mon		Tue		Wed		Thu	Fri
20		21		22		23	24
DL		IRTS		IRTS.r		DL.x	CV2
IR2	PM	IR2	LM	WIST	CV2	WIST	CV2.r
IR2.r	PM.r	IR2.r	LM.x	WIST.r	CV2.r	WIST.r	

Mon		Tue		Wed		Thu	Fri
27		28		29		30	31
DL		IRTS		IRTS.r		DL.x	CV2
IR2	PM	IR2	LM	WIST	CV2	WIST	CV2.r
IR2.r	PM.r	IR2.r	LM.x	WIST.r	CV2.r	WIST.r	

Mon		Tue		Wed		Thu	Fri
3		4		5		6	7

Mon		Tue		Wed		Thu	Fri
10		11		12		13	14
		IRTS		IRTS.r		DL.x	
		IR2	LM	WIST	CV2	WIST	
		IR2.r	LM.x	WIST.r	CV2.r	WIST.r	

		Mon		Tue		Wed		Thu		Fri	
W5	APR	17		18		19		20		21	
		DL		IRTS		IRTS.r		DL.x		CV2	
		IR2	PM	IR2	LM	WIST	CV2	WIST		CV2.r	
		IR2.r	PM.r	IR2.r	LM.x	WIST.r	CV2.r	WIST.r			

		Mon		Tue		Wed		Thu		Fri	
W6	APR	24		25		26		27		28	
		DL		IRTS		IRTS.r		DL.x		CV2	
		IR2	PM	IR2	LM	WIST	CV2	WIST		CV2.r	
		IR2.r	PM.r	IR2.r	LM.x	WIST.r	CV2.r	WIST.r			

		Mon		Tue		Wed		Thu		Fri	
W7	MAY	1		2		3		4		5	
				IRTS		IRTS.r		DL.x		CV2	
				IR2	LM	WIST	CV2	WIST		CV2.r	
				IR2.r	LM.x	WIST.r	CV2.r	WIST.r			

		Mon		Tue		Wed		Thu		Fri	
W8	MAY	8		9		10		11		12	
		DL		IRTS		IRTS.r		DL.x		CV2	
		IR2	PM	IR2	LM	WIST	CV2	WIST		CV2.r	
		IR2.r	PM.r	IR2.r	LM.x	WIST.r	CV2.r	WIST.r			

		Mon		Tue	
W9	MAY	15		16 = Mon	
		DL		DL	
		IR2	PM	IR2	PM
		IR2.r	PM.r	IR2.r	PM.r

Master in Artificial Intelligence - exams calendar

	Mon	Tue	Wed	Thu	Fri	
JAN	<u>9</u> RP	<u>10</u>	<u>11</u> DE	<u>12</u>	<u>13</u> ML1	JAN
JAN	<u>16</u> NLU	<u>17</u> AIF	<u>18</u>	<u>19</u> CV1	<u>20</u> IR1	JAN
JAN	23	24	25	26	27	JAN
JAN	30	31	1	2	3	FEB
FEB	6	7	8	9	10	FEB
FEB	13	14	15	16	17	FEB

grades report (*actas*) closure UDC
 grades report (*actas*) closure UVigo
 grades report (*actas*) closure USC

MAY	<u>15</u>	<u>16</u>	17	<u>18</u>	<u>19</u> AIPM	MAY
MAY	<u>22</u> MAS	<u>23</u> TXAI	<u>24</u> KRU/ML2	<u>25</u> EC	<u>26</u> LM	MAY
MAY	<u>29</u> DL	<u>30</u> IR2/PM	<u>31</u>	<u>1</u> WIST/CV2	<u>2</u> IRTS	MAY
JUN	5	6	7	8	9	JUN
JUN	12	13	14	15	16	JUN
JUN	<u>19</u> RP	<u>20</u> DE	<u>21</u> ML1	<u>22</u> NLU	<u>23</u> AIF	JUN
JUN	<u>26</u> CV1	<u>27</u> IR1	<u>28</u> AIPM	<u>29</u> TXAI	<u>30</u> MAS	JUN
JUL	<u>3</u> KRU/ML2	<u>4</u> EC	<u>5</u> LM	<u>6</u> DL	<u>7</u> IR2/PM	JUL
JUL	<u>10</u> WIST/CV2	<u>11</u> IRTS	<u>12</u>	<u>13</u>	<u>14</u>	JUL
JUL	17	18	19	20	21	JUL
JUL	24	25	26	27	28	JUL

holidays/non-teaching period
 teaching period
 exams period

TIME FOR ALL EXAMS
 17:00-20:00

Questions?