



Recruiting ODeL-ready Talent: An Open Callbased Cluster Hiring Process at a Open and Distance e-Learning University

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Opportunity

- Hire 12 new faculty (in exchange for developing new brand new undergraduate programs)
- But do it in a few months.

Question

 Given the increasing trans- and cross-disciplinary nature of teaching and research, how do we select the best set of candidates from the total set of applicants?





Strategic Hiring Plan

A four-part analysis resulting in a strategic hiring plan



Dean's analyses and recommendations for the FICS 2022 faculty hiring strategy

Diego Maranan Aug 20 Prepared by Diego Maranan



∠ 3 backlinks

In this document, I analyze what the disciplinal and skill gaps are in the FICS in order to propose a hiring strategy for CY 2022. The analysis is based on discussions from the 2022.05.24-FICS Faculty Gap Mapping meeting and the Teaching loading of faculty mapping that was generated during that meeting.

For the purpose of this exercise, all new courses for the new programs (Associate in Digital Arts and Design, Associate in Computer Science, Masters in Data Science) are assumed to have on average 50 students per term, and that each course is offered only once a year. The true number is likely to be higher, but such conservative estimates show how these courses will place a significant toll on human resources once the new programs are approved. The enrollment numbers are also unlikely to be so evenly distributed but in the absence of data to support otherwise, 50 students per term, one offering per year seems like a reasonable assumption.





faculty hiring (second-lining FICs)

22.5

9

10.5

Table +

50 50

189

80.3

88.5

99.7

134.6 123



Analytical Lens 1

Carrying capacity: Who is most overworked?

3

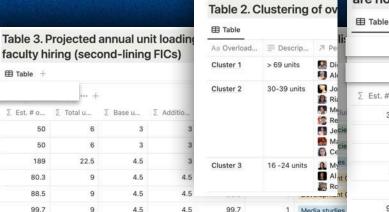
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134.6

Analysis based on equalizing overload

If the preferred regular faculty serve as indicated in 🖟 Teaching loading of faculty, then a very rough projection of the number of units that each faculty will be expected teach on a yearly basis is shown below. (NB: The annual teaching load does not include student advising for theses, dissertations, and special projects, which significantly complicates things and adds to every individual's unit loading.)

Table 1. Projected annual unit loading if new programs are established and new faculty are not hired: PC-prioritized FICs

/1 Pe									
S Die			+						
Jo Ria	Σ Est. # o	Σ	Total u	Σ Base units	Σ Additional units	# Averag	# How m	i≣ Program	Primary Cluster
Meg Re	u: 39	.6	6	3	3	39.6	1	BAMS	Cross-disciplinal
M Jec	ie	50	6	3	3	50	1	Associate in I	Media studies
Ma Ce		50	6	3	3	50	1	Masters/Grac	Computer science
Al _{nt}		39	22.5	4.5	3	63	3	BAMS	Media studies
Ro		67	7.5	4.5	3	67	1	BAMS	Media studies
edia studie		.6	9	4.5	4.5	94.6	1	BAMS	Computer science
evelopment	Comr BAMS	MM	IS 131 Introd	luc			- La bay voice		



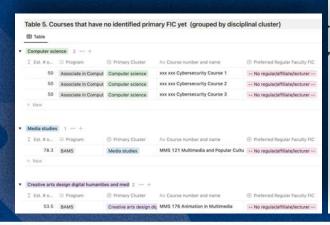




Analytical Lens 2

Table

Teaching gaps: Which programs need the most new faculty?



Analysis based on courses disciplinal gaps

A great number of our computer science courses (11) either rely on affiliates, adjuncts, professors emeriti or lecturers as their primary FIC, or have no clearly identified primary FIC at all. This is followed by our media studies courses (8), closely followed by development communication (6). Art design and production courses trail behind (2). (See Tables 4 and 5.)

Table 4. Courses that rely on affiliates, adjuncts, professors <u>emeriti</u>, and lecturers as their primary FIC (grouped by disciplinal cluster)

Computer sci	ence 8 ··· +			
Development	Communication	7 … +		
Σ Est. # o	≡ Program	 Primary Cluster 	Aa Course number and name	Preferred Regular Faculty FIC
24.6	DComm	Development Communi	COMM 399 Colloquium (CORE)	Affiliate/emeritus/lecturer (please s
32	DComm	Development Communi	COMM 330 Comm Policy & Planning	Affiliate/emeritus/lecturer (please s
34	BAMS	Development Communi	MMS 181 Scriptwriting for Effective Ins	Affiliate/emeritus/lecturer (please s
71	MDC	Development Communi	DEVC 204 (Communication Research ar	Affiliate/emeritus/lecturer (please s
80.3	BAMS	Development Communi	MMS 120 Communication and Culture	Affiliate/emeritus/lecturer (please s
95	MDC	Development Communi	DEVC 203 (Cultural and Critical Theorie	Affiliate/emeritus/lecturer (please s
177	MIS MDC	Development Communi	DEVC 202 Development Communication	Affiliate/emeritus/lecturer (please s
177	MIS MDC	Development Communi	DEVC 202 Development Communication	Affiliate/emeritus/lect







Analytical Lens 3

Research aspirations:
Which research areas
do we want to
strengthen and be
known for?

Analysis based on research group/labs to be established

In addition an instruction-focused analysis of what is needed at FICS, we can also look at faculty who have expressed interest in establishing research groups. Three have so far expressed interest in this (based on 1-on-1 interviews and the 2022 FICS Strat Plan conversations)

- MINT: Immersive Technology for Open Pedagogies Research Laboratory (Rob)
- Development of Research Lab/group on Intelligent Systems and AI (Rein)
- Establishing an ArtScience Research Group (Diego)

It is also worth pointing out at this point that Rob and Diego (along with other UPOU faculty) are currently developing a new PhD program proposal. As such, the previous analyses do not sufficiently capture the needs of this emerging program of study. See Poveloping new cross-FoS PhD program for details. Therefore, using this analytical lens, the hiring priority would be:

- 1. Computing science
- 2. Creative arts, design, digital humanities, and media production
- 3. Media studies
- 4. Development communication







Analytical Lens 4

Administrative potential: What kinds of disciplines are we most looking for that would contribute to the management of the university?

Analysis based on administrative functions that new hires can take on

We should consider how new faculty hires can contribute administratively to the university, and past experience shown that the FICS tends to be the well from which IT expertise is drawn. Therefore, we must factor in certain knowledge competencies (e.g., networking and hardware specialization, UI/UX design) when deciding our hiring strategy. Using this analytical lens, I suggest that the hiring priority would be:

- 1. Computing science
- 2. Creative arts, design, digital humanities, and media production
- 3. Development communication
- 4. Media studies





Previous hiring practice

- Referral-based
- Tried one open call before... and failed! No eligible applicants.
- Not user-centered enough.



Los Baños, Laguna 4031 (6349) 536 6001 to 6006 loc 334, 841; 536-5993

Job Listing: Assistant Professor 1 (Substitute), Computer Science/Digital Media Design

The University of the Philippines Open University, Faculty of Information and Communication Studies (UPOU-FICS) invites applications for a non-tenure track, full-time, substitute Assistant Professor position to begin August/September 2021. The basic job requirements are teaching undergraduate and graduate level courses.

The UPOL FICS has undergraduate (Bita in Nuttimedia Studies) and graduate (Diploma in Computer Science, Natates in Indormation Systems, Natater of Development Communication, Doctor of Communication) programs with about 1,100 students and 11 fulfill-time and 21 effiliate and adjunct Evolty members. All programs are taught entirely online. Applicants can go to bitter/flics upon edu ph for more information on the UPOLPHES and Its programs.

Required Minimum Qualifications:

- An earned Master's degree in Computer Science, Digital Media Design, or other related fields.
- Ability to work collaboratively in a remote team environment.
- Ability to communicate effectively over writing with a range of university stakeholders, particularly students, faculty, and non-teaching staff
- · A citizen of the Philippines; dual citizens are ineligible to apply for this position
- · Physically based in the Philippines

Preferred Qualifications:

- · Physically based in the NCR+ region
- · A track record of participation in research projects and research publication
- Experience in teaching at undergraduate and graduate levels, preferably but not necessarily in online and remote settings
- Experience in teaching courses with emphasis on programming, information systems, and/or digital media design. in particular, the preferred candidate should be able to teach at least two of the following courses:
 Undergraduate courses
- -- MAS 150: User Interface and User Experience Design
- -- MMS 149: Software Engineering in Multimedia Practice
- MMS 200: Special Project in Multimedia Studies
- -- Introductory studio courses in digital graphics, animation, sound, or video

This job listing is also available on social media: Linkedin * Excebnok * Twitter



Los Baños, Laguna 4031 (6349) 536 6001 to 6006 loc 334, 841; 536-5993

- Graduate/Diploma courses
- -- IS 295: Information System Project
- -- CMSC 206: Database Management Systems

The administrative responsibilities of the position include the following:

- Actively contribute to technical committees where you may be asked to analyze
 user requirements and recommend technical solutions for software and hardware
 needs, including database systems, enterprise-scale systems, archival systems,
 learning management systems, SASS products, or specific product lines (e.g.,
 Google Sulter, Adobe Creative Cloud, Hicrosoft 360)
- Learn new software systems with the goal of training other stakeholders in such systems
- Attend to system administration for UPOU systems including its learning management systems (primarily Moodle)
- Participate in other committees and technical working groups as appointed by UPOU and UPOU-FICS officials.

You will be eligible to conduct research and apply for research grants provided by the UPOU and the University of the Philippines System.

Please note that this is a full-time contractual position. The successful candidate cannot hold any full-time work engagements outside of UPOU. The contract is per academic year, renewable every academic year as long as funds are available. The salary for this position is set at salary grade 18-1.

TO APPLY: Please submit your application on https://forms.gle/65u9R.IUgROFWKH98

All required documentation must be submitted to be considered for the position. A completed application will include:

- A letter of application addressing qualifications, addressed to the Dean of the Faculty
 of Information and Communication Studies
- 2. A curriculum vitae
- 3. A teaching philosophy
- Three professional references including name, address, title, telephone number, and email addresses- including a current or previous supervisor
- 5. A transcript of records (from Bachelor's degree to highest degree obtained)
- 6. Writing sample, 5-20 pages (published or unpublished)

Deadline for application is 20 June 2021 at 11:59 PM PST.

Applicants are subject to a criminal history investigation, and employment is contingent upon the verification of credentials and/or other information as required by UPOU hiring policies.

> This job listing is also available on social media: Linkedia * Excebook * Ewitter



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User-centeredness

User-centered open call for applications: curated job description with link to salary details. What do we have to offer? (Instead of just what we are looking for.)

Opportunities

The Faculty of Information and Communication Studies at the University of the Philippines Open University (UPOU-FICS) accepts applications on an ongoing basis from qualified individuals interested in teaching part-time in any of the UPOU-FICS' undergraduate (BA in Multimedia Studies) and graduate (Diploma in Computer Science, Masters in Information Systems, Master of Development Communication, Doctor of Communication) programs. All programs of study are taught entirely online. We offer:

- · Flexible work hours
- Supportive leaders and colleagues
- · A collegial atmosphere
- . Opportunities to collaborations with specialists from different fields

Full-time faculty positions (both tenure-track and contractual/nontenure-track) occasionally become available. Learn about minimum qualifications for and responsibilities of full-time faculty.

If you would like to signify your interest in a lecturer position or if you would like to be considered for future openings for full-time faculty (tenure-track or contractual/nontenure-track), we would love to hear from you.

Signify interest in teaching opportunities

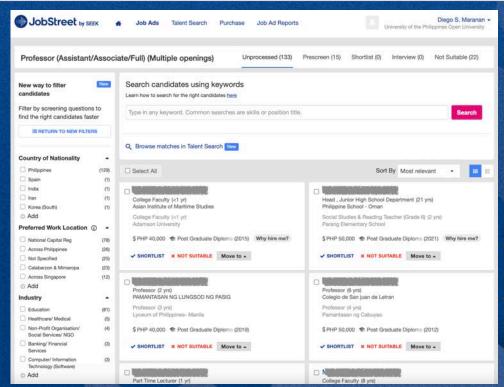






Dissemination

Widely disseminated open call via multiple platforms: social media, targeted emails, mass emails, and posting on jobseeker platforms (LinkedIn, JobStreet)



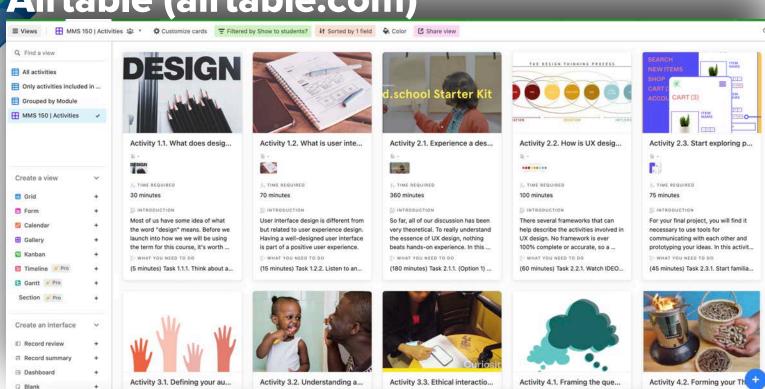


Airtable (airtable.com)

its Modules	Activitie	s v	earning Task Quiz Question	s Professional	development opportunities Resource List Me	thods	UI Usability	Design Pri	nciples Studi 🧿 🗸	+ Extension
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All activities 🗸	- 11	2	Activity 1.2. What is user i		Module 1. UI/UX Core Concepts	1.2	2	~	What is user interface an	User interface des
Only activities i		3	Activity 2.1. Experience a	9	Module 2. Design Processes	2.1	1	-	Experience a design itera	So far, all of our di
Grouped by Mo	2_	4	Activity 2.2. How is UX de	*******	Module 2. Design Processes	2.2	2	-	How is UX design done?	There several fram
reate a view	~	5	Activity 2.3. Start explorin	ra .	Module 2. Design Processes	2.3	3	~	Start exploring project to	For your final proje
Grid		6	Activity 3.1. Defining your	slat	Module 3. Understanding User Needs	3.1	1	-	Defining your audience	The first part of a
Form	+	7	Activity 3.2. Understandin	2.4	Module 3. Understanding User Needs	3.2	2	-	Understanding and descri	After you have a p
Calendar	+:	8	Activity 3.3. Ethical intera		Module 3. Understanding User Needs	3.3	3	1	Ethical interactions with u	Before you condu
Gallery	+	9	Activity 4.1. Framing the q		Module 4. Defining the problem space	4.1	1	~	Framing the question	Once you have ide
Kanban		10	Activity 4.2. Forming your		Module 4. Defining the problem space	4.2	2	-	Forming your Theory of C	In real-world design
Timel Fro	+	11	Activity 5.1. Divergent an	9	Module 5. Ideation and Selection: Arriving at pote	5.1	1		Divergent and convergent	Recall the IDEO sh
Gantt F Pro	+	12	Activity 5.2. Co-creation f		Module 5. Ideation and Selection: Arriving at pote	5.2	2	~	Co-creation for ideation (During the d.scho
Section # Pro		13	Activity 5.3. Card sorting	ANN	Module 5. Ideation and Selection: Arriving at pote	5.3	3	~	Card sorting	A particularly use
		14	Activity 6.1. Introduction t	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Module 6. Prototyping	6.1	1	-	Introduction to prototyping	In this activity, you
reate an inter י	v.	15	Activity 6.2. Low(er)-fideli	Magaga	Module 6. Prototyping	6.2	2	-	Low(er)-fidelity prototyping	In this activity, you
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Airtable (airtable.com)

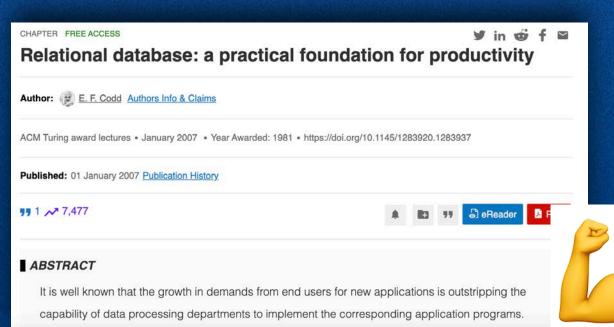
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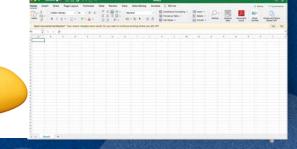
Relational databases



There are two complementary approaches to attacking this problem (and both approaches are

... a type of database that stores and provides access to data points that are related to one another

https://www.oracle.com/ph/database/what-is-a-relational-database/







Why relational database SaaS (and why Notion and Airtable in particular)?

- Chain data and chunks of data
- Create 1-is-to-1, 1-is-to-many, many-are-to-many relationships between data
- Provide different ways to display, sort, and filter learning content based on contextual needs
- Most of the sophisticated functionality in LMSs are just extended applications of relational databases



23-25 November 2022

Tagging, filtering, sorting over 90 applications

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112				Application R	☑ A	℃ P •	☑ F⊕ -	□ Disciplinal cluster •	Ar Disciplinal spe *	A Bachelor' *	A Master's de >	A Doctor *	≜ Candid
113		Post-doctoral fe				09176	-	Computing science Digital design and arts Develo	Policy Formulation, i	BS Geodetic En	Master in Informa	Professional	I also teac
114		Doctoral degree	~			61408	-	Computing science Media studies and related areas	Computer science, s	BSc Computing	Master in Busines	PhD Comput	Copies of
115		Bachelor's degree			-	09761	-	Media studies and related areas Development comm	I am currently taking				
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110		Master's degree		2022 - Round 2		09175		Development communication Digital design and arts	My undergraduate an	BSc in Develop	Master in Develo	PhD in Devel	None at the
118		Bachelor's degree			4	09665	4	Digital design and arts Other	I am an art educator,				N/A
116		Master's degree			-	09209	-	Digital design and arts Development communication	In addition to being tr				More infor
71		Master's degree		2022 - Round 1	-	+6399	-	Digital design and arts Media studies and related are	I am an artist and res	University of th	UNFINISHED: Uni	ONGOING: U	I am curre
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2		Master's degree	~	2022 - Round 1	-	+6399	4	Computing science Digital design and arts		Mapua Universi	Mapua University	Kumoh Natio	
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12		Master's degree		2022 - Round 1	-	09052	-	Digital design and arts		University of th	University of the	(In progress)	None.
34		Master's degree		2022 - Round 1	~	09178	~	Development communication	I am a graduate of B	BS DevComm U	UPOU MDC (Dea	N/A	None. Tha
79		Doctoral degree		2022 - Round 1	-	09173	-	Media studies and related areas Digital design and a	As an entrepreneur a	BA PH Studies,	Master of Develo	Doctor of Co	Over three
83		Master's degree		2022 - Round 1	-	+6391	4	Media studies and related areas Development comm	My disciplinal backgr	University of N	University of the	ONGOING: U	As a trans-

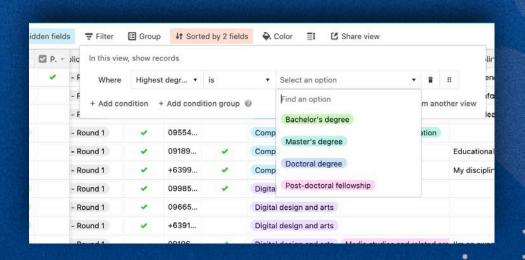






Four-stage filtering

Stage 1: Filtering for minimum requirements compliance (e.g., minimum education degree) - 76 out of 90 candidates passed









Four-stage filtering

Stage 2: Peer-reviewed rating ("8 raters from across the entire Faculty of Study) of applicants' portfolio, based on considerations.

★ ACS Suitability -	★ BAMS Suitability -	★ DCS Suitability *	★ M/GC-DS Suitability ▼ ○ MDC Suitability	→ ★ MIS Suitability	- Ab
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Four-stage filtering

Stage 3: Shortlisting by hiring committee: ~24 candidates

Stage 4: Interviews





What was new?

- Rapid process: Entire process took less than two months
- More diversity in applicants
- Reduced complexity of application review management through productivity tools
 - Efficient scheduling of interviews using meeting scheduling SaaS (Calendly)
 - Reviewing and rating of candidates using collaborative, relational databases (Airtable)
- User-centered approach towards recruiting at the institution





Salamat

Questions?

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