

## MSA University Astronomy Club\*

### MISSION

Our mission is to create a community of students who are fascinated by science and astronomy, engage students in learning more about the universe through edutainment and trigger the interest of students in science and discovery.

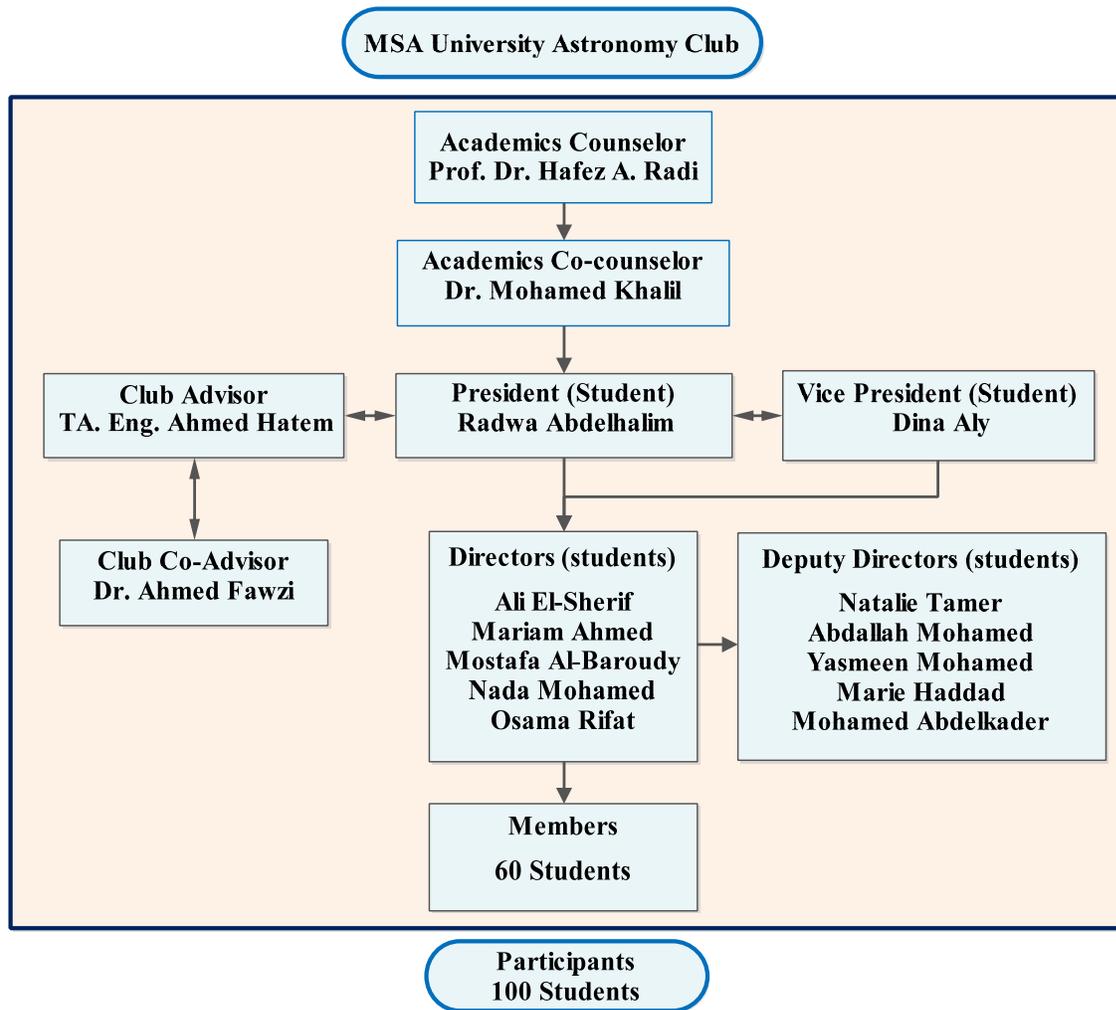
### VISION

Our vision is that the students get to engage in a fun learning experience, make new friends that share the same love and curiosity for the universe and find unity in diversity.

### GOALS

- Engaging the students in practicing astronomy and sharing knowledge about the universe.
- Creating a diverse community of students that share the interest in astronomy.

In addition to the Counselor, Co-counselor, and advisor of the club, the current number of the club representatives in the Fall Semester (2017/2018) is 72. Here is the hierarchy block diagram:



\*MSA University Astronomy Club is a branch of the Astronomy Club of the American University in Cairo.

## OBJECTIVES

- Creating a large community that's interested about astronomy.
- Making many events where people can connect and share knowledge.
- Encouraging learning (especially if it's from scratch, and all you have is mere interest).
- Implementing "Edutainment" in all our events, so that students find entertainment is learning.
- Applying the theoretical knowledge and engaging students in practicing astronomy by observing stellar bodies, going on stargazing trips and learning more about telescopes and how to use them.

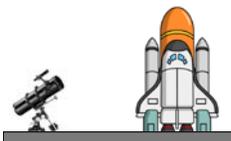
## Session Outline

We have around 600 applicants for the sessions and we will select only about 100 (50/session) based on prepared interviews according to the following criteria:

- Diversity in majors
- Diversity in levels (focus mainly on newcomers + level 2 than all other levels)
- Diversity in gender
- Reasonable background in English and knowledge of basic scientific terms
- Interest in learning more about astronomy, even if they have no basis
- Good morals and friendly personality (no trouble makers)

## Timeline of the club's semester sessions and other activities

W D	Week 1 (16/9 – 22/9)	Week 2 (23/9 – 29/9)	Week 3 (30/9 – 6/10)	Week 4 (7/10 – 13/10) 5:00 – 8:00pm	Week 5 (14/10 – 20/10) 5:00 – 8:00pm
Day 1	Recruitment		Selection of Participants	Session A 1- Ahmed Alaa 2- Ahmed Essam 3- Nada Almorshedy  Session B 1- Mohamed Mahmoud 2- Reem Samir 3- Mohamed Hesham	Session A 1- Ahmed Alaa 2- Ahmed Essam 3- Nada Almorshedy  Session B 1- Mohamed Mahmoud 2- Reem Samir 3- Mohamed Hesham
Day 2				Opening Ceremony	
Day 3					Movie Night

W D	Week 6 (21/10 – 27/10) 5:00 – 8:00pm	Week 7 (28/10 – 3/11) 5:00 – 8:00pm	Week 8 (4/11 – 10/11)	Week 9 (11/11 – 17/11)
Day 1	Session A 1- Ahmed Alaa 2- Ahmed Essam 3- Nada Almorshedy  Session B 1- Mohamed Mahmoud 2- Reem Samir 3- Mohamed Hesham	Session A 1- Ahmed Alaa 2- Ahmed Essam 3- Nada Almorshedy  Session B 1- Mohamed Mahmoud 2- Reem Samir 3- Mohamed Hesham	Midterm	

D \ W	Week10 (18/11 – 24/11) 5:00 – 8:00pm	Week 11 (25/11 – 1/12) 5:00 – 8:00pm
	Day 1	<b>Session A</b> 1- Ahmed Alaa 2- Ahmed Essam 3- Nada Almorshedy
<b>Session B</b> 1- Mohamed Mahmoud 2- Reem Samir 3- Mohamed Hesham		<b>Session B</b> 1- Mohamed Mahmoud 2- Reem Samir 3- Mohamed Hesham
Day 2		Movie Night

Day 1 will be every Tuesday of the week. Day2 and Day3 are selected based on availability. As shown in the table above, there are 2 concurrent sessions per week and each session will comprise about 50 participants. The first 4 weeks of the sessions have the same content, while the remaining 5 sessions will differ from session to another as shown in the detailed outline below.

<b>1<sup>st</sup> session</b>	<ul style="list-style-type: none"> <li>• Ice breaking workshop</li> <li>• A brief view about astronomy clubs in Egypt and the structure, vision and mission of MSA astronomy club.</li> <li>• Science map (the big picture of nature) and how all faculties somehow is science and all science field are connected so all fields could be connected with astronomy.</li> <li>• The map of physics (astronomy)</li> <li>• The scientific method and critical thinking</li> </ul>
<b>2<sup>nd</sup> session</b>	<ul style="list-style-type: none"> <li>• Ice breaking workshop</li> <li>• Mythology of origin of the universe</li> <li>• Scientific theories about the origin and why it isn't famous.</li> <li>• Define all objects in the universe from atoms to galaxies (just an overview) and energy</li> <li>• The big bang</li> </ul>
<b>3<sup>rd</sup> session</b>	<ul style="list-style-type: none"> <li>• The formation of Earth</li> <li>• How life formed on Earth</li> </ul>
<b>4<sup>th</sup> session</b>	<ul style="list-style-type: none"> <li>• Early philosophy: Greeks, Islamic, western philosophy</li> <li>• The earth is flat, and we are the center of everything (Copernicus, Galileo Galilei, Bruno)</li> <li>• The evolution of the scientific method</li> </ul>

<b>Team A</b>	
<b>5<sup>th</sup> session</b>	The meaning of space-time fabric
<b>6<sup>th</sup> session</b>	General and special relativity
<b>7<sup>th</sup> session</b>	Black holes
<b>8<sup>th</sup> session</b>	Multiverse
<b>9<sup>th</sup> session</b>	Participants voting from 5 suggestions (every team A&B will choose five suggestions)

Team B	
5 <sup>th</sup> session	Are we alone in the universe?
6 <sup>th</sup> session	The end of Earth
7 <sup>th</sup> session	Space travel and the future of space travel
8 <sup>th</sup> session	Artificial intelligence and the future of space exploration
9 <sup>th</sup> session	Participants voting from 5 suggestions (every team A&B will choose five suggestions)

### Hierarchy of the club representatives

No.	Committee	Name (Students)	ID	Position
1.		Radwa Abdelhalim Mohamed	144027	President
2.	Academics	Mostafa Kamal Al-Baroudy	164535	Director
3.		Yasmeen Mohamed Farouk	151103	Deputy Director
4.		Mohamed Mahmoud	164395	Moderator
5.		Ahmed Essam Zaki	150467	Moderator
6.		Nada Medhat Saad El Morshedy	172967	Assistant Moderator
7.		Reem Ahmed Samir	164313	Assistant Moderator
8.		Omar Amir	159201	Assistant Moderator
9.		Muhammed Hesham Muhammed	162009	Researcher
10.		Ahmed Aladdin Ahmed	143721	researcher
11.		Coordination & Logistics	Mariam Ahmed	162311
12.	Abdullah Mohamed		154993	Deputy Director
13.	Shada Zahran		173317	Member
14.	Hesham Ashraf Samy		171773	Member
15.	Sherif Abdel Moneim Ghali		172199	Member
16.	Hadeer Salama		172379	Member
17.	Simon Farid		161123	Member
18.	Mahynour Tarek		144383	Member
19.	Rodaina Abuzaid		175179	Member
20.	Mahmood Amr		171491	Member
21.	Adham Mohamed		160009	Member
22.	Amr Hassan		162091	Member
23.	Fatma Nasser		164999	Member
24.	Finance	Nada Samy	161223	Director
25.		Yasmen Yassen	164283	Deputy Director
26.		Nada Ahmed Souror	173229	Member
27.		Zeinab Atef Abdallah	172703	Member
28.		Mariam Khidr ElSayed	173943	Member
29.		Hannan Saad	173013	Member
30.		Jonathan Zakaria	163449	Member
31.		Mohamed Hesham	174275	Member
32.	Internal Relations	Ali Amin El-Sherif	141167	Director
33.		Natalie Tamer	161993	Deputy Director
34.		Nourhan Medhat	134779	Member
35.		Omnia Ayman Mouna	163919	Member
36.		Omar Ahmed Mohamed Shalkany	164888	Member
37.		Dana Al Habbal	161465	Member
38.		Raghda Zakaria Abdelhamid	152407	Member
39.		Zahwa Tarek Hassan	171717	Member
40.		Mai Yasser Ahmed	161643	Member
41.		Ahmed youssef Mahmoud Abd El-	144345	Member

42.		Salma Hisham	181284	Member
43.		Amira Ashraf	173729	Member
44.		Menna Tullah Hamdy	175139	Member
45.	Marketing	Osama Mohamed Rifat	153747	Director
46.		Samarhan Zakaria	173233	Member
47.		Dina Taha	172099	Member
48.		Mohab Alaa	141595	Member
49.		Nouran Sheta	160705	Member
50.		Hussam El-Dein	150531	Member
51.		Yara George	161797	Member
52.		Merna Ahmed	173093	Member
53.		Rodanya Mohamed	170231	Member
54.		Ghadeer Tarek	173461	Member
55.		Mirna Samir Fahmy	164111	Member
56.		Jomana Tarek Mohamed Mandour	161671	Member
57.		Youssef Ali Abou ElYazeed	174525	Member
58.		Ganna hesham elrashidy	172033	Member
59.	Media	Mohamed Abd Elkader	164271	Deputy Director
60.		Ashraaqat Mohamed	162915	Member
61.		Khaled Ayman Mattar	164959	Member
62.		Bahy Tarek Ibrahim	164505	Member
63.		Nayer Ashraf	164079	Member
64.		Salma Hussein	165067	Member
65.		Abdelaziz Abdelrahman Mohamed	168585	Member
66.		Mohamed Alaa Sami	155215	Member
67.		Nadeen khaled el shamy	154225	Member
68.		Amir Ahmed Abo shabana	154557	Member
69.		Mohab Ali Nassar	171561	Member
70.		Menna Hany Shawqi	173513	Member
71.		Rana Ali	155733	Member
72.		Mohamed Ahmed	180321	Member

### Selected Participants in session A

Session A (Revealing the Mysteries)			
Number	Name	ID	Faculty and Major
1	Habiba Byazid	184297	Arts and Design
2	Salma Aiman	170481	Languages
3	Hasna Taha	155667	Languages
4	Sarah Mohammad	171275	Management
5	Mariam Amr	180477	Pharmacy
6	Menna Amr	180627	Biotechnology
7	Lilian Ahmed Derar	173633	Mass Communication
8	Hajar Shehata	184705	Mass Communication
9	Fatma Adel Hussein	183837	Mass Communication
10	Mohamed Hatem	142901	Engineering
11	Rania Heinz	130037	Dentistry
12	Abdelrahman Samer	173877	Management
13	Hesham Hazem	152381	Engineering
14	Mohanad Hazem	184535	Management
15	Walid Mamdouh	154009	Arts and Design
16	Hamis Mohamed	184873	Dentistry
17	Rana Sobhy	182591	Management

18	Fatma Akram	183023	Languages
19	Mariam Taher	184591	Biotechnology
20	Nadine Hamed	185221	Dentistry
21	Mariam Reda	184441	Languages
22	Reem Tarek	184829	Languages
23	Hoda Mohamed	151265	Engineering
24	Alyaa Ahmed	185311	Arts and Design
25	Mahmoud Hamdy	145391	Pharmacy
26	Ali Talaat	154449	Management
27	Kareem Gamal	170099	Computer Science
28	Reem Ahmed	185545	Mass Communication
29	Dina Ahmed	151233	Dentistry
30	Ahmed Khaled	153827	Mass Communication
31	Esraa Baduuf	173531	Pharmacy
32	Mostafa Khaled	173355	Dentistry
33	Ahmed Mohamed Barwish	181097	Pharmacy
34	Abdelrahman Talaat	180671	Languages
35	Ahmed Mostafa	154965	Management
36	Reem Hatem	183805	Biotechnology
37	Amr Hamed	175277	Dentistry
38	Ahmed Samir	140845	Pharmacy
39	Shaimaa Mohamed	164461	Mass Communication
40	Amgad Ayman	183311	Computer Science
41	Nareeman Nabil	180575	Biotechnology
42	Engy Gamal	173105	Biotechnology
43	Hazem Mohamed	140935	Engineering
44	Teudour Gamal	181319	Pharmacy
45	John Adel	181715	Mass communication
46	Moheveldeen Mohamed	182581	Engineering
47	Youssef Elsebaie	154411	Computer science
48	Nourhan Osama	182535	Computer science
49	Farah Sherif	184321	Arts & Design
50	Reem Mamdouh	181649	Languages

### Selected Participants in session B

Session B (Beyond Limits)			
Number	Name	ID	Faculty and Major
1	Mariam mamdouh	184967	Mass Communication
2	Nourhan morsy	162939	Dentistry
3	Bishoy Maher	154783	Engineering
4	Toga Abdelhamid	154649	Mass Communication
5	Sandra nazil	150415	pharmacy
6	Omar Ali tag	175117	Engineering
7	mohamed khAlid	150783	Engineering
8	Nermeen Mohamed	171961	Management
9	khloud mahmoud	162399	Dentistry
10	ahmed Ayman	181819	Arts and Design
11	micheal nashaat	181573	Computer Science
12	omar ebrahim	161691	management
13	abdulrahman ahmed	175247	Dentistry
14	aly tarek mohamed	181601	management
15	mohamed bassem	170547	Engineering
16	nourhan mahmoud	181355	management

17	vasmin attia	181393	management
18	ghada osama	171553	Mass Communication
19	salma ahmed	162641	Arts and Design
20	menna sameh	170459	Mass Communication
21	Elaria sherif	172399	Mass Communication
22	malak khaled	183427	languages
23	Ranim yahia	185361	Biotechnology
24	Bassam wAlied	184633	management
25	bassant ahmed mekawy	181141	Dentistry
26	rahaf mohamed	184285	Engineering
27	salma mahmoud	174097	Mass Communication
28	mohamed hesham	170255	Engineering
29	mostafa magdy	182095	Arts and Design
30	ahmed alaaeldin	152415	Dentistry
31	omar elsayed	181051	Engineering
32	mohab sameh	180879	Computer Science
33	mahmoud yehia	18419	Mass Communication
34	mostafa ismaeil	172833	management
35	jailan sayed	181411	Mass Communication
36	menatullah raof	170379	Biotechnology
37	alaa el hadad	163323	Dentistry
38	esraa sameh	183039	Biotechnology
39	marina sabet	172783	Mass Communication
40	mostafa ahmed Ali	170757	Engineering
41	ahmed hussein	180657	Computer Science
42	habiba adel	165373	Arts and Design
43	Lamis Ehab	180261	Management
44	Laila Mahmoud	172541	Management
45	Nada Madani	182891	Engineering
46	Youssef Hamdi	171713	Management
47	Ziad Mohammed	183961	Arts & Design
48	Mayar Mohamed Vasser	171885	Architecture
49	Habiba Ihab	181725	Biotechnology
50	Abdallah Abdelaziz ali	165443	Computer Science

### Selected Videos for the two groups

<b>Session 2</b> <b>Week 5</b>	<a href="https://www.youtube.com/watch?v=3rHXrA80NH4">https://www.youtube.com/watch?v=3rHXrA80NH4</a> <a href="https://www.youtube.com/watch?v=M0p6NKANE08">https://www.youtube.com/watch?v=M0p6NKANE08</a>
<b>Session 3</b> <b>Week 6</b>	<a href="https://www.youtube.com/watch?v=VSG9q_YKZLI">https://www.youtube.com/watch?v=VSG9q_YKZLI</a> <a href="https://www.youtube.com/watch?v=3r_HVGF16fM">https://www.youtube.com/watch?v=3r_HVGF16fM</a>
<b>Session 4</b> <b>Week 7</b>	<a href="https://www.youtube.com/watch?v=elah3i_WiFI">https://www.youtube.com/watch?v=elah3i_WiFI</a> <a href="https://www.youtube.com/watch?v=0x2hiVynKXg">https://www.youtube.com/watch?v=0x2hiVynKXg</a>
<b>Session 5</b> <b>Week 10</b>	<a href="https://www.youtube.com/watch?v=0rocNtnD-yI">https://www.youtube.com/watch?v=0rocNtnD-yI</a>
<b>Session 6</b> <b>Week 11</b>	<a href="https://www.youtube.com/watch?v=3pAnRKD4raY&amp;t=239s">https://www.youtube.com/watch?v=3pAnRKD4raY&amp;t=239s</a>

**Absent participants in Week 4**

(only the Student Serial Number in the above participants table is indicated)

**Session A**

4	7	11	24	25	27	34	35	41	47
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**Session B**

2	11	16	17	24	25	27	31	36	37
46									

**Absent participants in Week 5**

(only the Student Serial Number in the above participants table is indicated)

**Session A**

4	7	10	11	26	38	38	41	47	

**Session B**

8	11	17	25	29	31	32	37	46	
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**Absent participants in Week 6**

(only the Student Serial Number in the above participants table is indicated)

**Session A**

3	4	7	11	15	17	25	30	41	43
47									

**Session B**

11	13	17	31	33	37	42	46		
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**Absent participants in Week 7**

(only the Student Serial Number in the above participants table is indicated)

**Session A**

2	6	8	13	14	26	29	32	36	37
40	47								

**Session B**

5	9	13	19	20	26	28	36	41	
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**Absent participants in Week 10**

(only the Student Serial Number in the above participants table is indicated)

**Session A**

3	4	5	7	10	11	15	16	26	30
33	34	41	43	45	47	49	50		

**Session B**

2	11	16	17	24	25	27	31	36	37
46	49	50							

**Absent participants in Week 11**

(only the Student Serial Number in the above participants table is indicated)

**Session A**

<b>3</b>	<b>4</b>	<b>7</b>	<b>10</b>	<b>11</b>	<b>13</b>	<b>16</b>	<b>19</b>	<b>21</b>	<b>25</b>
<b>26</b>	<b>38</b>	<b>38</b>	<b>41</b>	<b>47</b>	<b>50</b>				

**Session B**

<b>8</b>	<b>11</b>	<b>17</b>	<b>25</b>	<b>29</b>	<b>31</b>	<b>32</b>	<b>37</b>	<b>46</b>	<b>49</b>
<b>50</b>									