Report of "Education" department of IMM ANAS for 2017

"Education" department of IMM is engaged in organization of doctoral, post-graduation and magistrature education.

Doctoral studies

11persons study on the doctoral studies of IMM: 7 intramural and 4 extramural doctoral students.

On the report period, 3 persons were admitted to intramural doctoral studies of IMM on training philosophy doctors.

1202.01-Analysis and functional analysis:

1) Gahramanly Banovsha Tamis kizi-(Supervisor: cand.phys.math.sci.,ass.prof. Telman Gasymov)

1211.01-Differential equations:

2) Allahverdizadeh Fatima-khanim Ilyas kizi-(Supervisor: doct.phys.math.sci.,prof. Akper Aliyev)

3324.07-Remote aerospace investigations:

3) Guliyev Atabey Mazahir oglu-(Supervisor: corr.mem.ANAS, prof. Bilal Bilalov)

On the report period, 6 persons graduated from the intramural doctoral studies of IMM on training philosophy doctors, 2 of them have defended their dissertations: Gurbanova Nargul, Rzaev Natig.

Post-graduation

23 post graduate students study on training philosophy doctor, 9 on doctor of sciences. On the report period, 6 persons on philosophy doctor training and 6 on doctor of science training were admitted to post-graduate courses of IMM.

Philosophy doctor:

1202.01- Analysis and functional analysis:

1) Askerova Aida Khurshud kizi- candidate for a degree (Supervisor: doct.phys.math.sci. Vugar Ismayilov)

2) Huseynova Lala Ernis kizi-candidate for a degree (Supervisor: doct.phys.math.sci. prof. Rahim Rzayev)

1211.01-Differential equations:

3) Hasanova Shanay Mugabil kizi- candidate for a degree (Supervisor: doct.phys.math.sci. prof. Ziyatkhan Aliyev)

1212.01-Mathematical Physics equations:

4) Yunusov Dashgin Rasim oglu- candidate for a degree (Supervisor: doct.phys.math.sci. prof. Tahir Gadjiev).

2003.01-Fluid, gas and plasm mechanics;

5) Museibli Parviz Tofig oglu- candidate for a degree (Supervisor: corr.mem.ANAS, doct.techn.sci. Geylani Panahov)

3324.07- Remote aerospace investigations:

6) Zabidov Zakir Jumshud oglu- candidate for a degree (Supervisor: corr.mem.ANAS, prof. Bilal Bilalov)

Doctor of sciences:

1202.01-Analysis and functional analysis:

1) Sadigova Sabina Rahib kizi- candidate for a degree (Scientific adviser: corr.mem.ANAS, prof. Bilal Bilalov)

2) Hasanov Sabir Gahraman oglu- candidate for a degree (Scientific adviser: corr.mem.ANAS, prof. Vagif Guliyev)

1211.01-Differential equations:

3) Bayramov Azad Mammad oglu- candidate for a degree (Scientific adviser: doct.phys.math.sci. prof. Veli Gurbanov)

4) Mukhtarov Oktay Shahhuseyn oglu- candidate for a degree.

5) Shukurov Aydin Shukur oglu- candidate for a degree (Scientific adviser: corr.mem.ANAS, prof. Bilal Bilalov)

1212.01-Mathematical Physics equations:

6) Sadykhov Vugar Vagif oglu- candidate for a degree (Scientific adviser: doct.techn.sci. Ali Nagiyev)

On the report period, 7 persons have graduated from the post-graduate courses of IMM on training philosophy doctors, 2 of them: Dunyamaliyeva Aida and Ismayilova Rana have defended their dissertations.

Minimum examinations for doctoral and post graduate students were held in June:

Speciality exams:

1202.01-Analysis and functional analysis:

- Maharramova Gular Vidadi kizi- extra-mural doctoral student (Supervisor: cand.phys.math.sci.,ass.prof. Telman Gasymov)- excellent

1211.01-Differential equations:

- Akhundova Elnare Bukhsay kizi- candidate for a degree (Supervisor: doct.phys.math.sci. prof. Veli Gurbanov)- excellent

- Kerimova Mehriban Nurmammad kizi- candidate for a degree (Supervisor: doct.phys.math.sci. prof. Tahir Gadjiev)- excellent

2002.01-Mechanics of deformable solids:

- Nagiyeva Nigar MirYashar kizi- extramural doctoral student (Supervisor: doct.phys.math.sci. prof. Latif Talybly)- excellent

German language exams:

- Kerimov Kamil Ajdar oglu- candidate for a degree- 4(good). (Supervisor: doct.ph.math.sci. prof. Sabir Mirzayev).

- Mammadova Aynur Nizami kizi- candidate for a degree- 3(satisfactory). (Supervisor: doct.math.sci. Rovshan Bandaliyev).

- Ismayilova Afag Farhad kizi- candidate for a degree- 4(good). (Supervisor: corr.mem. of ANAS, Vagif S. Guliyev).

- Nagiyeva Nigar MirYashar kizi- extramural doctoral student-4(good). (Supervisor:

  doct.ph.math.sci. prof. Latif Talybly).

Exams on philosophy:

- Mammadova Aynur Nizami kizi- candidate for a degree- 4(good). (Supervisor: doct.math.sci. Rovshan Bandaliyev).
- Malik Samin Telman oglu- candidate for a degree- 4(good). (Supervisor: corr.mem. ANAS, prof. Misir Mardanov).
- Badalov Khayyam Ali oglu- candidate for a degree- 3(satisfactory). (Supervisor: Javanshir Hasanov).
- Zabidov Zakir Jumshud oglu- 4(good). (Scientific adviser: corr.mem.ANAS, prof. Bilal Bilalov).
- Ismayilova Gunay Gafil kizi- candidate for a degree- 3(satisfactory). (Supervisor:

  doct.ph.math.sci., prof. Hamlet Guliyev).
- Gasymova Vusala Fazil kizi- candidate for a degree- 4(good). (Supervisor: doct.ph.math.sci.,prof. Akper Aliyev).

Magistrature

Entrance-2016

The exams on speciality for I course masters were held on January.

- Farhadova Yetar Muzakir kizi- General mean success index- 95 points,

- Jafarova Sabina Ilgar kizi- General mean success index- 91 points,

- Dadashova Gulgayit Aydin kizi- General mean success index- 91 points,

-Shirinova Narmin Rahim kizi- General mean success index- 91 points.

    Programs to be taught in the second term for masters:

1. Boundary value problems for higher order linear equations. Composed by corr.mem. of ANAS, prof. Rauf Huseynov.

2. Additional chapters to differential equations. Composed by doct.ph.math.sci.,prof. Akper Aliyev.

3. Theory of smooth manifolds. Composed by doct.ph.math.sci.,prof. Mammad Bayramoglu.

4. Inverse problems of mathematical physics. Composed by doct.math.sci., prof. Adalat Akhundov.

5. Structural properties of singular integrals. Many-dimensional singular integral equations. Composed by corr.mem. ANAS, prof. Vagif Guliyev.

6. Optimal control problem described by partial differential equations. Composed by doct.ph.math.sci.,prof. Telman Melikov.

The program was affirmed at the meeting of the Scientific Council held on 08 february 2017.

The holder of master's degree Farhadova Yetar Muzakir kizi has participated at the "Master-2017" competition and occupied the third place.

The exams on speciality for I course masters were held on June.

- Farhadova Yetar Muzakir kizi- General mean success index- 95 points,

- Jafarova Sabina Ilgar kizi- General mean success index- 95 points,

- Dadashova Gulgayit Aydin kizi- General mean success index- 94 points,

-Shirinova Narmin Rahim kizi- General mean success index- 91 points.

Programs to be taught in the third term for II course masters.

1. Existence of solutions of extremal problems.Composed by corr.mem. of ANAS Misir Mardanov.

2. Boundary properties of analytic functions. Singular integral equations. Composed by corr.mem. of ANAS Vagif Guliyev.

3.Spectral theory of differential operators. Composed by doct.phys.math.sci. Hemidulla Aslanov.

4. Linear equations in Banach space. Composed by doct.ph.math.sci.,prof. Mammad Bayramoglu.

5. Main problems of control theory. Composed by doct.ph.math.sci.,prof. Telman Melikov.

6. Approximate methods of optimal control theory. Composed by doct.ph.math.sci., prof. Rafig Tagiyev.

7. Embedding theorems and their applications. Composed by doct.ph.math.sci.,prof. Akper Aliyev.

The program was affirmed at the meeting of the Scientific Council held on 12 september 2017.

Entrance-2017

In connection with admittance to magistrature, 183 entrants were questioned on 13-16.06.2017: satisfactory-42, nonsatisfactory-119, 22 persons were absent.

9 places were planned for IMM, 8 persons were admitted on the following specialties:

1) 5 persons-Mathematical analysis: Alizadeh Fidan Asif kizi, Aliyeva Dunya Resul kizi, Gadirova Xayale Mammadaga kizi, Guluyev Tural Museib oglu, Sadigov Elvin Vuqar oglu,

2) 1 person-Differential equations: Mammadova Aishen Veyis kizi,

3) 1 person- Optimization and optimal control: Rehimli Konul Samad kizi,

4) 1 person- Mathematical physics equations: Abdullayeva Aydan Cefer kizi.

Programs to be taught in the first term for I course masters:

1) Modern problems of mathematics. Composed by corr.mem.of ANAS Rauf Huseynov.

2) History and methodology of mathematics. Composed by corr.mem. of ANAS Misir Mardanov.

3) Nonlinear analysis. Composed by doct.phys.math.sci. Hemidulla Aslanov.

4) Linear algebra and structures. Composed by cand.phys.math.sci., ass.prof. Ali Babayev.

5) Harmonic analysis. Composed by corr.mem. of ANAS Bilal Bilalov.

6) Cauchy and boundary problem for partial differential equations. Composed by doct.math.sci., prof. Adalat Akhundov.

7) Optimality conditions and maximum principle in optimal control theory. Composed by doct.ph.math.sci.,prof. Telman Melikov.

8) Classical and modern problems of mathematical physics. Composed by doct.math.sci., prof. Adalat Akhundov.

The program was affirmed at the meeting of the Scientific Council held on 12 september 2017.

Head of "Education" department: **prof. Adalat Akhundov.**