MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
National Aviation University
Educational and Research Institute of Humanities
Foreign Languages for Specific Purposes Department

APPROVED
Acting Rector

_____
«___»_____2017

Quality Management System

SYLLABUS
on
English for Specific Purpose

Field of study: 12   "Information Technologies"
Speciality: 121   "Software Engineering"
Specialization: "Systems Software"
                             "Software Engineering"

Years of Study – 2nd, 3rd   Semesters – 3rd, 4th, 5th, 6th
Classroom Sessions – 140   Graded Test – 3rd, 4th, 5th, 6th semesters
Self-study – 106
Total (hours/ECTS credits) – 240/8

Index CB–4–121/16–3.1

QMS NAU S 12.01.02-01-2017

The Syllabus on "English for Specific Purpose" is based on the educational and professional program and Bachelor Curriculum № CB-4-121/16 for Speciality 121 "Software Engineering", Specialization "Systems Software", "Software Engineering" and correspondent normative documents.

Developed by:

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"Agreed"
Director of the Educational   Director of the Center
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"_____"_____2017.   "_____"_____2017.

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1. EXPLANATORY NOTE

The Syllabus of the discipline "Foreign Language (for Specific Purposes)" is developed on the basis of "Methodical instructions for the development and execution of syllabus and course training program of disciplines", put in action by the order of 16.06.2015. №37 / pp.

This academic discipline constitutes the practical basis for forming fluent language skills of students, which will result in their improved professional qualification. Practical skills in the foreign language enable students to be aware of world standards and new technologies, to translate computer manuals, software documentation, and additional literature with the aim of professional decisions-making.

The discipline "Foreign language (for Specific Purposes)" to students majoring in "Software Engineering" (121) aims at their obtaining practical skills in using the foreign language at a professional level, which is necessary in the execution of their professional duties.

The tasks of learning the discipline "Foreign language (for Specific Purposes)" are improvement and further development of students' knowledge, habits and skills in different kinds of linguistic activities obtained at school. Mastering the foreign language involves: students' knowledge of both professional and everyday English, their ability to read and make oral/written translation of original scientific and technical texts on specialty, ability to understand recorded and live foreign speech, ability to communicate and make presentations on a professional as well as on a socio-political subject within the topics defined by this syllabus.

As a result of mastering the discipline a student must

know:

- basic professional terminology on the disciplines defined by the academic curriculum;
  - main grammar and lexical features of technical translation;
  - main rules of handling scientific and technical literature;
  - basic socio-political terminology;
  - term-building morphemes and models;
  - main grammar structures, correlation of forms and meanings.

be able to:

- listening comprehension of monologue and dialogue speech;
- reports on profession-oriented and socio-political topics;
- participation in discussions;
- rendering information obtained from foreign and native language sources (in oral and written forms);
- recognizing grammar structures, correlating their forms and meanings in reading and translating texts .

The subject matter of the discipline is structured modularly and consists of two training modules, namely:

- educational **module №1 "Software Construction and Modelling. Operating Systems".**

- educational **module № 2 "Databases. Human-Machine Interface. Information Systems".**

- educational **module №3 "Software Architecture and Design. Multimedia"**

- educational **module №4 "Cyber Security. Software and Data Security"**, each of which is a logically complete, relatively independent, integral part of the academic discipline, the mastering of which involves modular control work and analysis of the results of its implementation.

The academic discipline "Foreign Language (for Specific Purposes)" is based on the knowledge of such disciplines as "Higher Mathematics", "Physics", "Algorithms and Computational Methods", "Programming", "Discrete Mathematics" and "Computer Logics".

2. SUBJECT CONTENT

2.1. Module №1 "Software Construction and Modelling. Operating Systems".

Topic 2.1.1. The notion of software construction. Introduction of basic terminology on software construction through conversation. Grammar review: "Simple and Progressive Tenses".

Topic 2.1.2. Consolidation of the terminology through translating and discussing texts on the software construction process. Grammar review: "Verb Tenses".

Topic 2.1.3. "The Complexity of Software Development." Translating a text on the relevant topic, discussing the text, rendering the gist of the text. Grammar review: "Verb Tenses."

Topic 2.1.4. Use of relevant terms in translating and discussing the text on software development. Translating additional texts. Making reports on the topic. Discussing texts for supplementary reading. Making up dialogues on the topic. Grammar review: "Analysis of Verb Tenses".

Topic 2.1.5. "Major Tasks of Software Construction." Introduction of new terminology on the topic. Translating the text analyzing verb tenses.

Topic 2.1.6. Use of relevant terms in translating and discussing the text on types of software and their designation. Grammar review: "Modals: can, may, must."

Topic 2.1.7. "Basics of Software Construction". Introduction of relevant terminology. Translating the text. Analyzing verb tenses.

Topic 2.1.8. Listening to the text on the stages of software development. Discussing the text. Use of modals in sentences.

Topic 2.1.9. "Models of Software Construction". Introduction of relevant terminology. Translating the text on the topic. Discussing and giving the gist of the text. Grammar review: "Verb Tenses".

Topic 2.1.10. Reporting on the relevant issue. Making up dialogues. Grammar Review: "Simple Active/Passive".

Topic 2.1.11. "Planning and Design of Software Construction Process". Translating texts on low- and high-level languages. Analyzing verb tenses and stating the functions of verbs "to be" and "to have".

Topic 2.1.12. Use of terminology in translating and discussing texts on the relevant topic.

Topic 2.1.13. "The Notion of Software Modelling". Use of terminology in translating and discussing the text. Grammar review: "Verb Tenses".

Topic 2.1.14. Translating texts on software modelling. Making up dialogues about computer languages. Discussing presentations on relevant topic. Grammar review: "Present Perfect Active /Passive".

Topic 2.1.15. "The Process and Methodology of Software Development". Translating the text about programming languages of the third generation. Grammar: "Comparative Analysis of Verb Tenses".

Topic 2.1.16. Grammar check. Comparative Analysis of Verb Tenses.

Topic 2.1.17. "Basics of Software Modelling". Translating the text. Grammar check: "Modals: can, may, must".

Topic 2.1.18. Translating texts on software modelling. Doing exercises on the use of relevant vocabulary. Doing the text for supplementary reading.

Topic 2.1.19. "Classification of Mathematical Models". Introduction of relevant terminology. Translating the text about low-level programming languages. Analysis of verb tenses.

Topic 2.1.20. Translating texts on classification of mathematical models. Putting questions to the texts. Use of verbs with modal meaning "to have to", "to be to". Doing the text for supplementary reading.

Topic 2.1.21. "Methods of Software Modelling". Translating the relevant text. Grammar review: "Modals: should, ought to".

Topic 2.1.22. Use of terminology in translating and discussing texts on methods of software modelling. Doing exercises on the use of relevant vocabulary. Doing the text for supplementary reading.

Topic 2.1.23. "The Notion of Operating Systems". Use of terminology in translating and discussing texts. Grammar: "Modals: should, ought to".

Topic 2.1.24. Discussing reports on methods of software modelling. Making up dialogues on the topic.

Topic 2.1.25. "Operating Systems". Use of terminology in translating and discussing the text on types of operation systems. Discussing reports on the topic. Comparative analysis of modals.

Topic 2.1.26. Translating texts on protection against cyber crime. Making up dialogues on the topic. Use of modals in relevant conversations.

Topic 2.1.27. "Comparative Analysis of Operating Systems". Use of terminology in translating and discussing the text. Making comparative analysis of modals.

Topic 2.1.28. Translating texts on types of operation systems. Discussing reports on the relevant issue. Active use of modals.

Topic 2.1.29. "Real-Time Operating Systems". Translating the text on the topic. Making verb tenses analysis. Discussing texts for supplementary reading. Making up dialogues.

Topic 2.1.30. Discussing reports on operation systems. Using relevant terminology in conversations.

Topic 2.1.31. "Interfaces of Operating Systems". Translating texts on the topic.

Topic 2.1.32. Discussing reports. Using relevant terminology in conversations.

2.2. Module №2 "Databases. Human-Machine Interface. Information Systems"

Topic 2.2.1. Basic terminology on the topic "The Notion of Databases". Introduced in the form of a conversation. Indefinite and Continuous Tenses (revision).

Topic 2.2.2. Consolidation of the vocabulary by translating and discussing special texts. Translating texts on computer databases. Grammar: "Present Perfect Active/Passive".

Topic 2.2.3. Basic terminology on the topic "Architecture of Databases" Introduced in the form of a conversation. Translating a xt on architecture of databases. Making questions to the text and composing a text retelling plan. Grammar Review: "Present Perfect Active/Passive".

Topic 2.2.4. Speaking on "Architecture of Databases". Socio-political vocabulary ("Agreements"). Fixing the grammar: "Present Perfect Active/Passive".

Topic 2.2.5. Basic terminology on the topic "Databases Management" Introduced in the form of a conversation. Translating a text on the relevant topic and analyzing the tenses of the verbs in it. Grammar: "Past Perfect Active/Passive".

Topic 2.2.6. Listening to a text on the relevant topic with further discussion of the material heard. Discussing socio-political articles. Grammar: "Past Perfect Active/Passive".

Topic 2.2.7. Basic terminology on the topic "Types of Databases". Introduced in the form of a conversation. Translating texts on the relevant topic. Grammar: "Future Perfect Active/Passive".

Topic 2.2.8. Consolidation of the vocabulary by discussing special texts. Discussing the latest news in the world. Fixing the grammar: "Future Perfect Active/Passive".

Topic 2.2.9. Basic terminology on the topic "Databases Security". Introduced in the form of a conversation. Translating a text on the relevant topic. Grammar Review: "Present Perfect Continuous".

Topic 2.2.10. Discussing presentations on databases security. Composing dialogues on the topic. Fixing the grammar: "Present Perfect Continuous".

Topic 2.2.11. Basic terminology on the topic "Databases Models". Introduced in the form of a conversation. Translating texts on databases models and analyzing the tenses of the verbs as well as the functions of the verbs to be and to have in them.

Topic 2.2.12. Listening to texts on databases models with further discussion of the material heard. Grammar Consolidation: "Past Perfect Continuous".

Topic 2.2.13. Basic terminology on the topic "Human-Machine Interface". Introduced in the form of a conversation. Discussing home reading texts. Grammar: "Future Perfect Continuous".

Topic 2.2.14. Discussing students' reports on human-machine interface. Grammar Consolidation: "Future Perfect Continuous".

Topic 2.2.15. Basic terminology on the topic "Human-Machine Interface Design". Introduced in the form of a conversation. Consolidation of the vocabulary by translating and discussing special texts. Comparative analysis of the Verb Tenses.

Topic 2.2.16. Making up dialogues on the relevant topic. Grammar Review: "Modal verbs can, may, must".

Topic 2.2.17. Basic terminology on the topic "Components of Human-Machine Interface". Introduced in the form of a conversation. Translating a text on the relevant topic. Making questions to the text and composing a text retelling plan. Grammar Review "Modal verbs can, may, must".

Topic 2.2.18. Listening to texts on the relevant topic with further discussion of the material heard. Reading and translating socio-political texts ("Elections"). Comparative analysis of the Verb Tenses.

Topic 2.2.19. Basic terminology on the topic "Software User-Interface". Introduced in the Form of a Conversation. Consolidation of the vocabulary by translating and discussing special texts on modern computer networks. Grammar: "Modal verbs have (to), be (to)".

Topic 2.2.20. Translating and discussing special texts on the relevant topic. Composing key questions to texts. Grammar: Grammar activation: "Modal verbs have (to), be (to)".

Topic 2.2.21. Basic terminology on the topic "Information Systems". Introduced in the form of a conversation. Translating a text on information systems. Making questions to the text and composing a text retelling plan. Grammar: "Modal verbs should, ought to".

Topic 2.2.22. Consolidation of the vocabulary by translating and discussing special texts on information systems. Review of the Verb Tenses.

Topic 2.2.23. Basic terminology on the topic "Types of Information Systems". Introduced in the form of a conversation. Discussing home reading texts on peculiarities of information systems.

Topic 2.2.24. Making up dialogues on the relevant topic. Grammar Consolidation: "Modal verbs should, ought to, will".

Topic 2.2.25. Basic terminology on the topic "Comparative Analysis of Information Systems". Introduced in the form of a conversation. Discussing the students' presentations on the relevant topic. Comparative analysis of modal verbs.

Topic 2.2.26. Listening to texts on information systems with further discussion of the material heard. Grammar activation "Modal verbs should, ought to, will ".

Topic 2.2.27. Basic terminology on the topic "Classification of Information Systems by Their Designation". Introduced in the form of a conversation. Translating a text on the relevant topic. Making key questions to the text and composing a text retelling plan.

Topic 2.2.28. Discussing home reading texts. Discussing the latest events in the field of information technologies.

Topic 2.2.29. Basic terminology on the topic "Information System Development". Introduced in the form of a conversation. Making up dialogues on the topic. Grammar Review "Modal verbs".

Topic 2.2.30. Consolidation of the terminology by discussing the students' reports on the relevant topic.

Topic 2.2.31. Basic terminology on the topic "Information Systems Research". Introduced in the form of a conversation. Translating special texts on the topic. Socio-political vocabulary activation and discussing the latest events.

Topic 2.2.32. Discussing students' presentations on the topic. Comparative analysis of modal verbs.

2.3. Module №3 "Software Architecture and Design. Multimedia".

Topic 2.3.1. The notion of software architecture. Introduction of basic terminology on software architecture through conversation. Grammar review: "Simple and Continuous Tenses".

Topic 2.3.2. Consolidation of the terminology through translating and discussing texts on relevant topic. Grammar review: "Present Perfect Active/Passive".

Topic 2.3.3. "Strategies and Concepts of Software Architecture." Translating texts on the relevant topic, discussing the texts, rendering the gist of the texts. Grammar review: "Verb Tenses."

Topic 2.3.4. Use of relevant terms in translating and discussing the text on multimedia. Translating additional texts. Making reports on the topic. Discussing texts for supplementary reading. Making up dialogues on the topic. Grammar review: "Present Perfect Active/Passive".

Topic 2.3.5. "Basic Features of Software Architecture". Introduction of new terminology on the topic. Grammar review: "Past Perfect Active/ Passive".

Topic 2.3.6. Use of relevant terms in translating and discussing the text about software architecture. Grammar review: "Past Perfect Active/ Passive."

Topic 2.3.7. "Types of Software Architecture". Introduction of relevant terminology. Translating the text. Analyzing verb tenses.

Topic 2.3.8. Listening to the text about types of software architecture. Discussing the text. Use of Perfect Tenses in sentences.

Topic 2.3.9. "Software Architecture Languages". Introduction of relevant terminology. Translating the text on the topic. Discussing and giving the gist of the text. Grammar review: "Present Perfect Continuous".

Topic 2.3.10. Reporting on the relevant issue. Making up dialogues. Grammar Review: "Present Perfect Continuous".

Topic 2.3.11. "Basic Frameworks for Software Architecture". Translating texts on the relevant topic. Analyzing verb tenses.

Topic 2.3.12. Use of terminology in translating and discussing texts on the relevant topic. Grammar: "Modals: can, may, must."

Topic 2.3.13. "Software Design." Use of terminology in translating and discussing the text. Grammar review: "Modals: should, ought to, will."

Topic 2.3.14. Translating texts about software design. Making up dialogues. Discussing presentations on relevant topic.

Topic 2.3.15. "Basic Concepts of Software Design." Translating the relevant text. Grammar: "To be, to have and their functions in a sentence."

Topic 2.3.16. Translating text about software design. Reporting on the topic. Grammar: "Past Perfect Continuous."

Topic 2.3.17. "Technical Aspects of Software Design." Translating the text. Grammar: "Future Perfect Continuous."

Topic 2.3.18. Reporting on the relevant topic. Translating texts on the relevant topic. Doing exercises with the use of relevant vocabulary. Doing the text for supplementary reading.

Topic 2.3.19. "Rules of Software Design". Introduction of relevant terminology. Translating the text on the relevant topic. Grammar review: "Modals."

Topic 2.3.20. Translating texts about software design. Putting questions to the texts. Doing the text for supplementary reading.

Topic 2.3.21. "Software Design Models". Translating the relevant text.

Topic 2.3.22. Use of terminology in translating and discussing texts on software design models. Doing exercises with the use of relevant vocabulary. Doing the text for supplementary reading.

Topic 2.3.23. "The Notion of Multimedia". Use of terminology in translating and discussing texts. Grammar: "Comparative Analysis of Modals".

Topic 2.3.24. Translating and discussing texts on relevant topic. Making up dialogues on the topic.

Topic 2.3.25. "Types of Multimedia". Use of terminology in translating and discussing the text on types of multimedia. Discussing reports on the topic.

Topic 2.3.26. Translating texts on types of multimedia. Making up dialogues on the topic. Grammar: "Modals."

Topic 2.3.27. "Comparative Analysis of Multimedia". Use of terminology in translating and discussing the text. Grammar: Modals.

Topic 2.3.28. Translating texts on multimedia types. Discussing reports on the relevant issue. Grammar test.

Topic 2.3.29. "Use of Multimedia in Production". Translating the text on the topic. Making verb tenses analysis. Discussing texts for supplementary reading.

Topic 2.3.30. Discussing reports on multimedia. Using relevant terminology in conversations.

Topic 2.3.31. "Virtual Reality." Translating texts on the topic.

Topic 2.3.32. Discussing reports. Using relevant terminology in conversations.

2.4. Module №4 "Cyber Security. Software and Data Security".

Topic 2.4.1. The notion of cyber security. Introduction of basic terminology on cyber security through conversation. Grammar review: "Direct and Reported Speech".

Topic 2.4.2. Consolidation of the terminology through translating and discussing texts on cyber security. Grammar review: "Sequence of Tenses".

Topic 2.4.3. "Strategies and Methodologies of Cyber Security." Translating the text on the relevant topic, discussing the text, rendering the gist of the text. Grammar review: "Verb Tenses."

Topic 2.4.4. Use of relevant terms in translating and discussing the text on cyber security. Translating additional texts. Making reports on the topic. Discussing texts for supplementary reading. Making up dialogues on the topic. Grammar review: "Analysis of Verb Tenses".

Topic 2.4.5. "Types of Threats". Introduction of new terminology on the topic. Translating the text with verb tenses analysis.

Topic 2.4.6. Use of relevant terms in translating and discussing the text about types of threats. Grammar review: "Modals: can, may, must."

Topic 2.4.7. "Harmful Programs and Methods of Concealment". Introduction of relevant terminology. Translating the text. Analyzing verb tenses.

Topic 2.4.8. Listening to the text about harmful programs. Discussing the text. Grammar review: "Sequence of Tenses".

Topic 2.4.9. "Characteristics of Data Stealing Programs". Introduction of relevant terminology. Translating the text on the topic. Discussing and giving the gist of the text. Grammar review: "Verb Tenses".

Topic 2.4.10. Reporting on the relevant issue. Making up dialogues. Grammar Review: "Verbals".

Topic 2.4.11. "Ways of Computer Protection Againts Unauthurized Interference. Use and Comparative Analysis". Translating texts on the topic. Analyzing verb tenses and stating the functions of verbs "to be" and "to have".

Topic 2.4.12. Use of terminology in translating and discussing texts on the relevant topic.

Topic 2.4.13. "Cyber Insecurity Issues". Use of terminology in translating and discussing the text. Grammar review: "Verbals: Infinitive".

Topic 2.4.14. Translating texts on cyber protection. Making up dialogues. Discussing presentations on relevant topic. Grammar review: "Verbals".

Topic 2.4.15. "The Principles of Secured Software Development". Translating the text about the principles of secured software development. Grammar review: "Complex Subject".

Topic 2.4.16. Grammar check. Comparative Analysis of Verb Tenses Complex Subject. Complex Object.

Topic 2.4.17. "Software Security Engineering". Translating the text. Grammar check: "Verbals: Present Participle".

Topic 2.4.18. Translating texts on software security engineering. Doing exercises with the use of relevant vocabulary. Doing the text for supplementary reading.

Topic 2.4.19. "Software Security Guarantee". Introduction of relevant terminology. Translating the text on the relevant topic. Analysis of verb tenses.

Topic 2.4.20. Translating texts about software security. Putting questions to the texts. Use of verbs with modal meaning "to have to", "to be to". Complex Subject. Complex Object. Doing the text for supplementary reading.

Topic 2.4.21. "The Process of Data Destruction and Recovery". Translating the relevant text. Grammar review: "Gerund".

Topic 2.4.22. Use of terminology in translating and discussing texts on the relevant topic. Doing exercises with the use of relevant vocabulary. Doing the text for supplementary reading.

Topic 2.4.23. "Software and Data Security". Use of terminology in translating and discussing texts. Grammar: "Gerund and Participle I".

Topic 2.4.24. Discussing reports on software and data security. Making up dialogues on the topic.

Topic 2.4.25. "Software Security Issues". Use of terminology in translating and discussing the text on software security. Discussing reports on the topic. Grammar review: Gerundial Constructions.

Topic 2.4.26. Translating texts on software security. Making up dialogues on the topic. Use of gerundial constructions in relevant conversations.

Topic 2.4.27. "Features of Secured Software". Use of terminology in translating and discussing the text. Grammar: Participial Constructions.

Topic 2.4.28. Translating texts on ways to secure software. Discussing reports on the relevant issue.

Topic 2.4.29. "Information Security". Translating the text on the topic. Making verb tenses analysis. Discussing texts for supplementary reading. Making up dialogues.

Topic 2.4.30. Discussing reports on information security. Using relevant terminology in conversations.

Topic 2.4.31. "Data Concealment". Translating texts on the topic.

Topic 2.4.32. Discussing reports. Using relevant terminology in conversations.

3. LIST OF REFERENCES

3.1. Basic literature

3.1.1. Акмалдінова О.М., Бугайов О.Є., Теремінко Л.Г., Гурська О.О. Professional English. Fundamentals of Software Engineering. Навчальний посібник для студентів інституту комп'ютерних технологій. К.: НАУ, 2015, - 300с.

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3.1.5. Акмалдінова О.М., Фатєєва С.П., Каширський В.А. Automation in Aviation. Навчальний посібник. К.: НАУ, 2006, - 156с.

3.1.6. Акмалдінова О.М., Фатєєва С.П., Степанковська Л.М. Computer Networks. Практикум. К.: НАУ, 2010, - 56с.

3.1.7. Мислива Т.А., Теремінко Л.Г. Basics of Software Engineering. Практикум для студентів напряму 6.050103 "Програмна інженерія". К.: НВФ "Славутич-Дельфін", 2010, - 128с.

3.1.8. Santiago Rimacha Esteras Professional English. Infotech. English for computer users. Cambridge University Press, 2008, - 168с.

3.2. Additional literature

3.2.1. Акмалдінова О.М., Будко Л.В., Старовойтова Л.І. Навчальний посібник для студентів усіх спеціальностей НАУ "High-Style Socio-Political Terminology.– К.: НАУ, 2005, – 228с.

3.2.2. Акмалдінова О.М., Фатєєва С.П. English Grammar Practice. Навчальний посібник. К.: НАУ, 2002, - 148с.

3.2.3. Бугайов О.Є., Бабій Г.В., Волгіна С.А. Computer Networks. Практикум для студентів інституту комп'ютерних технологій. К.: НАУ, 2009, - 40с.

3.2.4. Верба Г.В., Верба Л.Г. Граматика сучасної англійської мови. Довідник. К.: "Логос", 2000, - 352с.

3.2.5. Газетні статті з суспільно-політичної тематики.

3.2.6. Журнальні статті з періодичних фахових видань "Better Software", "Computerworld ".

3.2.7. Степанковська Л.М. Методичні вказівки і завдання з теми "Personal Computer" для студентів І курсу факультету інформатики. К.: НАУ, 2002, - 56с.

3.2.8. Словники за фахом.

(Ф 03.02 – 01)

АРКУШ ПОШИРЕННЯ ДОКУМЕНТА

№ прим.	Куди передано (підрозділ)	Дата видачі	П.І.Б. отримувача	Підпис отримувача	Примітки

(Ф 03.02 – 02)

АРКУШ ОЗНАЙОМЛЕННЯ З ДОКУМЕНТОМ

№ пор.	Прізвище ім'я по-батькові	Підпис ознайомленої особи	Дата ознайом-лення	Примітки

(Ф 03.02 – 04)

АРКУШ РЕЄСТРАЦІЇ РЕВІЗІЇ

№ пор.	Прізвище ім'я по-батькові	Дата ревізії	Підпис	Висновок щодо адекватності

(Ф 03.02 – 03)

АРКУШ ОБЛІКУ ЗМІН

№ змі-ни	№ листа (сторінки)				Підпис особи, яка внесла	Дата внесен-ня зміни	Дата введен-ня зміни
	Зміненого	Заміненого	Нового	Анульо-ваного			

(Ф 03.02 – 32)

УЗГОДЖЕННЯ ЗМІН

	Підпис	Ініціали, прізвище	Посада	Дата
Розробник				
Узгоджено				
Узгоджено				
Узгоджено				